CHEMICAL TRADE NAMES:
A SELECTED BIBLIOGRAPHY
AND
RESEARCH AID

September 1982

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CHEMICAL TRADE NAMES:
A SELECTED BIBLIOGRAPHY AND RESEARCH AID

Part A

TRADE NAMES BIBLIOGRAPHY

Review of Selected Publications
Containing Information on Commercial and Industrial
Trade Name Products

Part B

CHEMICAL/TRADE NAMES MATCH

A Matching of Chemical Names and Their
Equivalent Trade Names

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PREFACE

CCOHS's principal service is providing information and advice in occupational health and safety. Finding new ways of delivering such information, so that it will promote safety and health in Canadian workplaces, is the service's main aim.

It has been impressed upon both the members of our governing council and our staff that one type of information most needed is also one of the most difficult to find -- the hazardous ingredients of industrial chemicals identified only by trade names.

CCOHS has therefore a special responsibility to become familiar with as many of the potentially useful sources of information as possible and to create new collections of information where needed.

Producing this bibliography of industrial chemical trade name information sources, and testing its usefulness, are parts of this responsibility. Another part is developing computerized data bases of information on the identification of hazards to health posed by chemical substances. These data bases aim to provide, among other things, ways to identify product names, ingredients, and physical properties.

This bibliography and trade names research project demonstrates that public-access library publications can be used to locate some information on the hazardous ingredients of chemicals identified only by industrial trade names. Of course the word 'some' is important: as our research has shown, reference books and trade directories alone do not give complete answers, although they can be good places to start.

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The following people deserve thanks for their contributions to this publication.

The idea for the Trade Names Bibliography (Part A) originated with Dr. Gordon Atherley, President and Chief Executive Officer of CCOHS.

The Chemical/Trade Names Match (Part B) was proposed and supervised by Dr. William Louch, Manager of the Material Hazards Section at CCOHS.

CCOHS Director of Technical Services Dr. James Purdham provided encouragement and constructive criticism.

Marilyn Moore, Manager of the Centre's Library, gave advice on library-related matters. CCOHS Bibliographer Paul Gallina read the work and made helpful suggestions for improvement. Librarians Philip Price and Norma Gibson-MacDonald offered useful ideas.

Staff Writer/Press Officer David Cohen edited and organized the work for final publication.

Nicole Girouard, Manager of Language Services at CCOHS, provided the French language translation of the English-language publications version.

Word processing was done with uncommon patience by Laurie Paquette, Anne Hurley, Sandi Raymond, Susan Cooper, Stacey Hill, Lynn Lahie, Bev Strugnell, Ellie Duwel and Marie Dufresne.

Wendy E King

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INTRODUCTION

1. OBJECTIVES

The main objective in producing the Trade Names Bibliography (Part A) was to discover what could be known, from publicly-available published sources, about the composition and trade name identities of industrial and commercial products. It is hoped this will add to the collection and analysis of source material to assist in the development of the CCOHS Trade Names Data Base.

The bibliography is more than a list of publications. Each book included has been carefully selected and evaluated. A total of 128 titles are described, 119 for trade name content and another 9 for chemical name content.

The main objective of the Chemical/Trade Names Match (Part B) was to discover and demonstrate how much can be learned about the identities and chemical ingredients of single-constituent trade name products, by using a few of the best publications from Part A.

Part B is a list of 146 chemical names matched with 438 trade names, manufacturer names, and source of information codes. It is thus a demonstration of the value of using the books described in Part A.

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2. METHOD of ORGANIZATION & USE of this PUBLICATION

(A) Trade Names Bibliography

A publication was selected for the bibliography if it contained any information useful in identifying the composition of chemical substances or mixtures marketed under trade names.

To locate the publications, public-access libraries geographically close to CCOHS were searched over a six-month period (April to October 1981). Several different types of libraries were consulted including: municipal reference; university (science, technology, medicine, engineering, chemistry and government documents); and special provincial and federal government libraries.

The libraries consulted are not the only ones in Canada holding the books described. Financial and time constraints ruled out similar library searches for the whole country, but the same type of search I did can be done in most cities using local library resources.

Only publications which could be found by browsing library shelves are included in the Trade Names Bibliography; no special access arrangements were made for me. Print documents only are included; no microfiche or computer data base searches were done.

It should be understood that many of the editions listed in the Trade Names Bibliography are not the most recent editions available from the publishers at the time of printing. The reason is that this bibliography describes only those editions which were available on the shelves of the libraries consulted during the six-month period between April and October 1981.

A comprehensive listing of every possible useful source of trade name information was not attempted. Part A is a selection of the most readily available and clearly relevant print documents. Copies of Chemical Trade Names: A Selected Bibliography and Research Aid are being sent to libraries and other information centres across the country likely to have books containing trade name information. We would appreciate hearing about any relevant publications which we have not included in the bibliography.

Many of the books described in the bibliography are specialized, highly technical, and in some cases expensive to buy. Many are classified by libraries as reference and therefore do not circulate outside the holding library.

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Key to Understanding the Sample Description

Numbers appearing in brackets with the sample description below denote the following:

(1) Index Number
(2) Author, Title Citation
(3) Content Codes
(4) Library Location Code
(5) Library Call Number
(6) Description by CCOHS Researcher
(7) Direct Quote from Publication
(8) Trade Name in Capitals

- * -

Trade Names Bibliography: Sample Description

(1) 5.24 (2) Gosselin, R.E. [et al.] CLINICAL TOXICOLOGY OF COMMERCIAL PRODUCTS: BULLETIN OF SUPPLEMENTARY MATERIAL, AND CUMULATIVE INDEX. Rochester, N.Y.: University of Rochester (Monthly).

(3) TN+ING * CN * GC * SYN * MAN * CAS * (4)(OTOL) *(5) Ref RA/1211 C641

(6) Content: The Bulletins are designed to be 'updates' of the data in the main book. They are prepared monthly by the Dept. of Pharmacology and Toxicology of the University of Rochester School of Medicine and Dentistry.

A star symbol in front of a trade name in the Cumulative Index signifies a change in formula, addition of percentages, or addition of ingredients.

(7) Sample Entry: (8) MARSON'S BLACK SOLDER (changed formula Nov. 1980) Plastic Filler. Resin Component: Styrene monomer (10-14%), Polyester (100% solids) (26-31%), Pigment & filler (50-60%), Di-methyl aniline (0.1-0.4%). Catalyst component: Benzoyl peroxide* (48-52%), Phthalate plasticizer (48-52%).

- * -

Content Codes (3) (TN + ING * CN * GC * SYN * MAN * CAS) which appear on the code line directly below each Citation (2) describe special characteristics about the content of each publication. These codes can be useful in deciding which books to consult. See Section 3, CODES, for a complete explanation of their significance.

Each listing in the bibliography includes a Library Location Code (4) which indicates where I actually saw and examined a copy of the book. These codes have been included at the right side of the code line to help researchers and reference librarians locate the book(s) needed. A list of the libraries consulted and symbols used to identify them in the bibliography is found in Section 3, CODES.

The Content (6) description of each listing generally refers only to those parts of the publication which provide trade name information, not to the total content of the publication.

The Sample Entry examples (7) were selected to illustrate the nature and extent of detail typical of the publication listed. Exception: an entry containing substantial trade name and/or ingredient detail was chosen over one containing comparatively little detail.

Chemical names are presented in the Sample Entry sections in essentially the same manner as they appear in the original document, but diagrams of molecular structure have not been included in the bibliography. Chemical formulae have been reproduced exactly as they appear in the original source.

The Sample Entry sections containing chemical data have not been 'standardized', but have been represented in a form which approaches as closely as possible the form originally presented in the cited document.

Trade Names (8) have been capitalized for emphasis in the Sample Entry section. They may not appear in exactly the same typeface in the publication cited.

Note: There are two indexes which may be used to find Trade Name Source listings, a Title Index and a Subject Index. If you want to search by product category, such as paint, look at the Subject Index.

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2. METHOD of ORGANIZATION and USE of this PUBLICATION

(B) Chemical/Trade Names Match

The chemical names used in this research task were chosen from the TLV book, Threshold Limit Values for Chemical Substances and Physical Agents in the Workroom Environment with Intended Changes for 1980, published by the ACGIH (American Conference of Governmental Industrial Hygienists).

Chemical names for pesticides were excluded from the search because much detailed trade name and ingredient information is already available for pesticide products. Metals were excluded because it was felt to be extremely unlikely they would be marketed under trade names.

Part B consists of only those chemical trade name products for which we were able to establish fairly clearly that each product consists essentially of only one chemical, and for which manufacturer information could be found in the sources used.

An attempt was made to avoid listing any mixtures, that is, products which contain many constituents. We relied only upon published sources to validate our research so that it is possible we may have inadvertently and unintentionally misrepresented the actual ingredients comprising a particular product currently marketed under the trade name indicated.

The publications used to produce the Chemical/Trade Names Match (See Source of Information list under CODES in Section 3) were a handful of the best sources we could find, with the exception of a particularly useful-looking set of Material Safety Data Sheets. We did not use the MSDSs because they are not generally available in public-access libraries. At least three, sometimes four or five, sources were routinely checked for each chemical.

Trade names and descriptions listed in the second column of the Chemical/Trade Names Match represent, briefly, what the original sources say about the product.

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3. CODES

(A) Trade Names Bibliography

Library Location Codes

Canada Institute for Scientific & Technical Information (Ottawa).....	OON
Canadian Centre for Occupational Health & Safety Library (Hamilton).....	OHOHS
Consumer & Corporate Affairs Canada (Hull).....	OOCI
Hamilton Public Library.....	OH-BUS (Business)
McMaster University Libraries (Hamilton).....	OHM-S+E (Science & Engineering)
	OHM-GOV (Government Documents)
	OHMB (Health Sciences)
Metro Toronto Public Reference Library.....	OTMCL-BUS (Business)
	OTMCL-S+T (Science & Technology)
Ontario Ministry of Labour Library (Toronto).....	OTOL
	OTOL-REF (Reference)
University of Toronto Libraries.....	OTU-ENG (Engineering)
	OTU-S+M (Science & Medicine)

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Number Codes for Evaluating Bibliography Listings:

Each selection in the bibliography has been evaluated with respect to the nature and extent of useful trade name and ingredient information. These evaluations appear as code numbers in square brackets with each citation in the Trade Name Sources Index (Alphabetical by Title) in Section 5. This is what the numbers mean:

[1] - TN (trade name) and ING (ingredient) details are specific and clearly connected
- large amount of useful information

[2] - TN and ING are connected
- smaller amount of useful information and/or specialized subject

[3] - TN and ING details not connected
- may be specialized subject, limited to one type of product

[4] - no ING (ingredient) detail but enough TN and CN (chemical name), and/or MAN (manufacturer) detail to be useful

[5] - no TN detail but enough CN (chemical name) and other information to be useful

Content Codes for Bibliography Listings:

TN	-	trade name
ING	-	ingredient (may be molecular structure, chemical formula or percent composition)
CN	-	chemical name
GC	-	general category of product use
SYN	-	synonym
MAN	-	manufacturer information
CAS	-	Chemical Abstracts Service registry number

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Content Codes Definitions:

'Trade name' -- For the purpose of this bibliography, means any name which is a commercially used abbreviation, code, trademark or synonym for the product. In general, if a book said a name was a trade name, we took this at face value, unless informed otherwise by other published sources.

'General category of product use' -- The principal use to which the product is put; for example, resin, reaction solvent, plasticizer, pigment, grain fumigant, chemical intermediate, degreaser.

'Molecular structure' -- A term used in physics and chemistry. It is a diagram or pictorial representation of a unique substance.

'Chemical formula' -- A notation using chemical symbols and numbers to indicate the chemical composition of a pure substance; examples are CH_4 for methane and HCl for hydrogen chloride.

'Percent composition' -- This refers to the elements or compounds making up a material or produced from it by analysis. Percent composition refers to the quantitative expression of these elements as fractions of the total product, usually by volume or weight.

TN and ING Codes:

Every entry in the Trade Names Sources List is coded 'TN' because trade name content is the prerequisite for inclusion. The code designation 'TN' does not mean, however, that every page or entry in the publication provides trade name information. It means that the content of the publication provides some useful trade name data, even though this data may appear only in the commercial advertisements and not in the main listings.

If TN+ING appears in the code line, this means that trade name and ingredient details are connected; in other words, it is possible to find ingredient details for the same trade name products together in the same book. There are often varying degrees of exactness in the ingredient details, even within the same publication.

If the code TN and ING appear in the code line, but are not linked by the (+) sign, this means the book provides no connection between the trade names and ingredient details, although both kinds of information are found in the book.

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3. CODES

(B) Chemical/Trade Names Match

Sources of Information and Bibliography Index Numbers

The following letter codes appear in the Source of Information column on each page of the Chemical/Trade Names Match. The publications are listed here in order of their usefulness for the matching job.

CW/BG	--	Chemical Week Buyers' Guide 1981 (5.19)
RTECS	--	Registry of Toxic Effects of Chemical Substances (5.102)
CCD	--	Condensed Chemical Dictionary (5.29)
HCSTN	--	Handbook of Chemical Synonyms and Trade Names (5.53)
CT/CP	--	Clinical Toxicology of Commercial Products (5.23)
CTI	--	Canadian Trade Index 1981 (5.12)
Doc TLVs	--	Documentation of Threshold Limit Values 1980 (5.37)

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4. GENERAL RESEARCH OBSERVATIONS

(A) Trade Names Bibliography

Our search and evaluation of selected books for the Trade Names Bibliography has led to these observations:

1) No single publication consulted so far provides complete trade name, ingredient and manufacturer information for all the industrial chemical products in Canada. Only by using several sources together can fairly complete descriptions of industrial products be found.

2) Trade name information is not neatly organized in one subject area, but instead is scattered throughout several subject areas, both within libraries and within publications. As well, information on trade name products and their chemical ingredients is often located in obscure parts of apparently unrelated publications.

3) The publications available are not usually organized to show ingredient details clearly. Within even the best sources ingredient information is often incomplete and requires extensive cross-referencing.

4) There is a disproportionately greater amount of detailed and reliable print information on pesticides and drugs than there is for other types of products, possibly because pesticides and drugs have traditionally been more strictly regulated by law.

5) Business directories, although updated annually, are useful only for linking manufacturer and basic chemical and trade name information; on the whole, they offer no specific product ingredient or chemical composition details. The notable exceptions to this general rule are certain very useful Buyers' Guides.

6) In technical and scientific documents chemical names rather than trade names are the main identifying headings. Manufacturer and specific trade name product information is often present, but not organized in any systematic way.

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7) One key source of published trade name product information has not been included in Part A, namely, the Material Safety Data Sheets provided by manufacturers. This is because sets of MSDS were not available in the libraries consulted, with one exception. This situation may change as manufacturers begin to make their MSDS collections more available to a wider range of users, and as libraries begin to purchase sets of Material Safety Data Sheets.

(B) Chemical/Trade Names Match

The Chemical/Trade Names Match research task has led to these conclusions:

1) Publications with trade name content can be very informative, and should be consulted, in the search for new identifying links between previously unconnected ingredient and trade name information.

2) Although there was intensive checking and cross-checking of some of the best publications available, it was still not possible to always find complete and unequivocal results. (Manufacturers were not contacted for verification of published data in this particular task.)

Here are some examples of the complications:

(i) Three different but similar trade names for this chemical diacetone alcohol were found -- which one to believe? The Registry of Toxic Effects of Chemical Substances (RTECS) synonym list included TYRANTON, which looked like a trade name.

The Merck Index listed PYRANTON for diacetone alcohol. And the Handbook of Chemical Synonyms and Trade Names (HCSTN) says that the proprietary trade name for diacetone alcohol is yet another variation, PYRATON.

(ii) Although the Handbook of Chemical Synonyms and Trade Names has a list of 983 American and European manufacturers cross-referenced to its chemical and trade name entries, there are many listed as "proprietary" names without a manufacturer code.

ANTIOXIDANT PBN is a proprietary antioxidant made of the chemical N-phenyl-beta-naphthylamine, but no manufacturer name could be found, so this information is not recorded inthe Chemical/Trade Names Match.

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(iii) Sometimes the chemical name could not be located in the Registry of Toxic Effects of Chemical Substances (RTECS) in exactly the same form as it appeared in the original source. It was necessary to know the synonyms for the chemical names, and to check each synonym until the right listing could be found. Sometimes the same synonym or abbreviation referred to two or more chemically distinct substances.

This was the case with the chemical m-phthalodinitrile which could not be found in RTECS. The Documentation of TLVs listed IPN as a synonym for this chemical. IPN had two listings in RTECS. Only by cross-checking the molecular formula of both listings were we able to arrive at the right listing for m-phthalodinitrile.

3) Discrepancies between the information provided in different books for the same product or chemical substance were found in several instances. They were resolved in consultation with a chemist, or by contacting the editor or original author of the book.

In most cases the research work for Part B did not require the advice of a chemist, but when there were complications related to chemical identities, the understanding of a chemist was essential.

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PART A: TRADE NAMES BIBLIOGRAPHY

5. TRADE NAME SOURCES

INDEX: ALPHABETICAL by TITLE

NOTE: Numbers in square brackets at the end of each citation are Number Codes for Evaluating Bibliography Listings, explained on Page 7.

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5.2 Report of AGRICULTURAL CHEMICAL LABORATORY on COMMERCIAL FEEDS FERTILIZERS AND PESTICIDES. Olympia, Wash.: Dept. of Agriculture, 1976. [2]

5.3 AGRICULTURAL CHEMICALS AND PESTICIDES: A SUBFILE OF THE REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES. Cincinatti, Ohio: NIOSH, 1977. [1]

5.4 ALDRICH CATALOG HANDBOOK OF FINE CHEMICALS.: Catalog 20 - 1981-82 Milwaukee, Wisc.: Aldrich Chemical Company, 1980. [2]

5.5 ANNUAL REPORTS. [4]

5.6 Bayern, G. ANTIOXIDANTS. Park Ridge, N. J.: Noyes Data Corporation, 1971. [1]

5.7 BLUE BOOK ISSUE: SOAP, COSMETICS, CHEMICAL SPECIALTIES. - Vol. 56, No. 4A. - New York: MacNair - Dorland, 1980. [4]

5.8 CANADIAN CHEMICAL PROCESSING. Don Mills, Ont.: Southam Business Publications. [4]

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5.23 Gosselin, R.E. [et al.] CLINICAL TOXICOLOGY OF COMMERCIAL PRODUCTS: ACUTE POISONING. - 4th ed. - Baltimore/London: Williams & Wilkins, 1977. [2]

5.24 Gosselin, R.E. [et al.] CLINICAL TOXICOLOGY OF COMMERCIAL PRODUCTS: BULLETIN OF SUPPLEMENTARY MATERIAL, AND CUMULATIVE INDEX. Rochester, N.Y.: University of Rochester (Monthly).[2]

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(Arranged Alphabetically by Title)

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TN+ING * CN * GC * MAN *	(OHM-S+E) *	TP 968
	(OHOHS)	.F54

Content: This book contains 504 adhesive and sealant formulations consisting of selections of manufacturers' data sheets "made at no cost to, nor influence from, the makers or distributors of these materials," as the foreword says.

Some formulations in Sections 1 - 6 are identified by a trade name and/or number, others by only a technical bulletin number. Manufacturers' names are linked with composition details in all cases.

Section 7 consists of a 27-page list of Trademarked Raw Materials Listing clearly the commercial name of the product, the chemical description, and the manufacturer's name.

Sample Entry: IGEPAL CTA-639 Surfactant -- Liquid alkyl phenoxypoly (ethylene - oxy) ethanol surfactant (100% active) -- GAF Corporation. (p. 381).

-- * --

5.2 Report of AGRICULTURAL CHEMICAL LABORATORY on COMMERCIAL FEEDS, FERTILIZERS AND PESTICIDES. Olympia, Wash.: Department of Agriculture, 1976.

TN+ING * CN * GC * MAN *	(OOCI) *	TX 569 W3

Content: Official samples of commercial products were chemically analyzed over a 12-month period. Tested for deficiencies were 642 commercial feeds including medicated, vitamin - mineral, and formula feeds; 350 commercial fertilizers including limes and regulatory fertilizer samples; and 364 pesticides.

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Sample Entries: pesticide trade name		active ingredient (%)
Amchem Inc. BROMINAL	--	octanoic acid ester of bromoxynil (32.8)
Amchem Inc. VEGIBEN	--	ammonium salt of chloramben (21.1)
Amchem Inc. WEEDONE EMULSIFIABLE LV6	--	butoxyethanol ester of 2,4-D (87.9)

-- * --

5.3 AGRICULTURAL CHEMICALS AND PESTICIDES: A SUBFILE OF THE REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES. Cincinnati, Ohio: NIOSH, 1977.

TN+ING * CN * SYN * CAS * (OTOL) * Ref/U.S. HE 20/7112/2: .A278/C.1

Content: This subfile contains 2190 chemical substances having agricultural application, arranged in the same format as that found in the annual edition of the Registry of Toxic Effects of Chemical Substances. Excellent source for "unique identifier" codes. Synonym listings extensive in some cases.

Sample Entry: (1) Benzopyrano (3,4-b) Furo (2,3-h) (1) Benzopyran-6 (6aH)-One, 1,2,12,12a Tetrahydro-2-alpha-Iospropenyl-8,9-Dimethoxy. CAS: 000083794 MW: 394.45 MOLFM: 06-C23-H22 Syn: (partial list) BARBASCO, CUBE ROOT, CUBOR, CENOL, GARDEN DUST, CHEM-MITE, CUREX FLEA DUSTER, ENT 133, EXTRAX, FISH-TOX, GREEN CROSS WARBLER POWDER, HAIARI, MEXIDE, PRO NOX FISH, RO KO, ROTEFOUR, ROTENON, ROTOCIDE, TUBATOXIN.

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5.4 ALDRICH CATALOG HANDBOOK OF FINE CHEMICALS.: Catalog 20 - 1981-82 Milwaukee, Wisc.: Aldrich Chemical Company, 1980.

TN+ING * CN * GC * SYN * MAN * CAS * (OHOHS)

CCOHS/CCHST
250 Main Street E./250 rue Main est.
Hamilton, Ontario, Canada L8N 1H6

Content: This catalog contains over 10,000 listings of organic and inorganic chemicals, biochemicals, stains and dyes, ...solvents, reagents, polymers, catalysts, ion-exchange resins, etc. Chemicals on the EPA (Environmental Protection Agency) Inventory under the U.S. Toxic Substances Control Act (TSCA) are denoted by a star. In addition to the main listings the catalog has a Molecular Formula Index which indicates registered trade name products.

Sample Entry: (partial) ALIQUAT^{R} 336 (tricaprylylmethyl-ammonium chloride) CH_3 N $((CH_2)_7CH_3)_3Cl$...Mixture of C_8 and C_{10} chains with C_8 predominating...Use of this product as a phase-transfer catalyst is described under U.S. patent 3,992,432 assigned to Continental Chemical Co. Registered trademark of General Mills Chemicals Inc.

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5.5 ANNUAL REPORTS.

TN * GC * MAN * (OH) * Vertical File

Content: Company annual reports should not be overlooked when searching for trade name and product identification details. Some companies provide a great deal of description and chemical data, others provide only trade names. News about research and development, new applications, and market information in these reports may also be valuable.

Sample Entries: Allied Chemical 1979: -"During the year the company concentrated on the expansion of its specialty agricultural products, fertilizer solutions like URAN^{R} and POLY-N^{R} and such foliar solutions as FOLIAN^{R}, NZN^{R} and NMG^{R}" ... "The company introduced SURAN^{R}, a non-pressure nitrogen fertilizer solution containing sulfur, and began marketing LIQUI-ZINC^{R}, a zinc solution product applied to the soil."

Grow Chemical Corp. 1978: -"Grow chemists have...improved on a patented anti-corrosive coating called GLASSGARD^{R} now being tested on the Golden Gate Bridge." ... The high performance urethane coating ALUMIGRIP ... used by eighty of the world's airlines. Equally notable are the durable AWLGRIP, NAVICOTE and glass flake paint systems being used on mass transit vehicles, farm equipment, pleasure boats, and bridge coatings."

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DuPont Annual Report 1980. Products Listing (partial) --
Chemicals and Other Products --
VALCLENE - dry-cleaning fluid
ALBONE - hydrogen peroxide
LUCITE - acrylic lacquer
ENERGEX - water gel seismic explosive
NILITE & TOVITE - blasting agents.

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5.6 Bayern, G. ANTIOXIDANTS. Park Ridge, N.J.: Noyes Data Corporation, 1971.

TN+ING * CN * GC * SYN * MAN * (OHM-S+E) * TP 159 .A5B38

Content: This book is so straightforwardly presented it is almost unique among others in this bibliography. It is a guide to commercial antioxidants and their trade names, chemical classifications, and suppliers. In the trade names list a number refers the reader to the chemical classification code. In the chemical classification section, general categories such as "naphthylamines" and "quinolines" are coded. Each chemical name in the category is followed by manufacturers names and corresponding trade names.

Sample Entries: Alkylated Diphenylamines (octylated) (p.23)
American Cyanamid.....CYANOX 8
Uniroyal.....OCTAMINE
Pennwalt.....PENNOX A
Vanderbilt.....AGERITE STALITE

Phenyl-beta-naphthylamine, 65%;
dipheryl-p-phenylenediamine, 35%. (p. 43)
DuPont.....AKROFLEX CD
Vanderbilt.....AGERITE HP
Monsanto.....SANTOFLEX HP

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5.7 BLUE BOOK ISSUE: SOAP, COSMETICS, CHEMICAL SPECIALTIES. - Vol. 56, No. 4A. - New York: MacNair - Dorland, 1980.

R 338
TN * CN * GC * MAN * (OH) * 4766
So 12

Content: A chemical specialty industries guidebook, with listings by general categories like "defoamers", and by specific one-manufacturer specialties like "cyanuric chloride". Contains directory of trademarks of registered chemical specialties.

The producer advertisements are mainly useful for product characteristics and trade names, but not for ingredients.

Sample Advertisement Information:
NEODOL® 91: Liquid surfactant 91-6 ethoxylate (6 moles of EO) is intended for use in compounding industrial and household hard surface cleaners, etc., metal cleaners, and textile wet processing chemicals...easy to dilute and mix...liquid at room temperatures...pour point of 45°F...fast wetting, quickly soluble in water, nonionic and rapidly biodegradable. Shell Chemical Company.

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5.8 CANADIAN CHEMICAL PROCESSING. Don Mills, Ont.: Southam Business Publications.

TN * GC * MAN * (OH) * Periodical

Content: Magazine subtitled "innovative process technology for engineers, chemists and managers". Published every six weeks. Articles and display ads often give trade name designation of products; especially useful for news of new processes and formulations. Covers chemical industry news in Canada.

Sample Entries: CYANAMID Intermediates: plastics chemicals (Advertisement, p.7 - February 6, 1980)

CYASORB® UV9)
CYASORB® UV24) - light absorbers
CYASORB® UV531)

CYANOX® 425)
CYANOX® 2246) - antioxidants
CYANOX® LTDP)

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From news article on SHELL: "Shell formulates a wide range of pesticides, one of the largest volume products being MATAVEN, a wild.oat herbicide for wheat in western Canada. BLADEX and BLAZINE are Shell's herbicides for control of weeds and grasses in corn. Relatively new to Shell's range of agrochemicals is BLAGAL, a herbicide for control of broadleaf weeds in wheat, oats, and barley...BOVAID eartag is now being introduced across Canada by Shell's agrochemicals business centre. (p.78/March 27, 1981)

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5.9 CANADIAN CHEMICAL PROCESSING : CHEMICAL BUYERS GUIDE - 1979 ed. - Don Mills, Ont.: Southam Business Publications, 1978.

TN * CN * GC * MAN * (OH) * R 338.47 TD File

Content: This guide lists 355 companies that serve the Canadian market as suppliers of chemicals and raw materials; together they have presented 16,000 product listings and 2,900 trade names. Common generic names are used in the product headings. Advertisements and company product inserts appear to offer the most useful identifying information on trade name materials.

Not to be overlooked is the 1978 edition of this guide which contains a Tradenames Index, an alphabetical listing of nearly 3,000 trade names. It appears that all the major chemical companies have reported product names, but no chemical composition or ingredient details of any kind are provided. A typical entry is: "CARBANTHRENE: Allied Chemical Canada".

Sample Entry: Ashland Chemicals. (Advertisement,1979 edition) Foundry Products: ISOCURE^{R} Cold Box Binders (The Ashland Process); PEP SET^{R}, LINO-CURE^{R} and CHEMREZ^{R} No-Bake Binders; CHEMREZ Hot Box Binders; LINOIL^{R} Core Oils; INOSET^{R} Inorganic Binders.

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5.10 CANADIAN PLASTICS DIRECTORY AND BUYERS' GUIDE. 1981 ed. - Toronto: Southam Business Publications, 1980.

		R
TN * CN * GC * MAN *	(OH-BUS)*	670.9
	(OHOHS)	P694

Content: Helpful in determining what specialty products and general lines are made by each company. Canadian content. The "Materials and Suppliers" section contains no trade name information, but many of the advertisements do. It is worth noting that unlike the 1980 version, the 1978-79 edition of this guide includes an 11-page Trade Names section. Although most of the product descriptions are general -- for example "ESTANE: polyurethane resins and compounds - B.F. Goodrich" -- some are specific enough to indentify ingredients -- "MEEKO: methyl ethyl ketone peroxides - Chinook Chemicals."

Sample Entries (1980): Advertisement information--NUODEX CANADA Ltd. PVC Stabilizers:-NUOSTABE (stabilizers, NUOPLAZ (plasticizers) FUNGITROL 11 (vinyl fungicide).

ROHM and HAAS Canada Inc. PLEXIGLAS^{R} (acrylic sheets and moulding pellets), TUFFAK^{R} (polycarbonate sheet), KYDEX^{R} (Acrylic-pvc alloy sheet), ACRYLOID^{R} (plastizers), PARAPLEX^{R} (modifiers).

TEXACO Chemicals Canada Ltd. THANCAT^{R} Amine Catalysts for Urethane Foams. NEM, NMM, DME, DMP, DM-70, TD-20, etc.

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5.11 CANADIAN PACKAGING BUYER'S GUIDE 1977-78. - Vol., 30 No. 7. Toronto: Maclean-Hunter Ltd., 1977.

		Ref.
TN * CN * GC * MAN *	(OOCI) *	TS2301
		.C8/C2

Content: Various components of packaging such as adhesives, boards and inks are included in this guide. Only the commercial advertisements contain trade name product information.

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Sample Entry: Inmont Canada Ltd. (advertisement) IPI Products for Flexible Packaging: --
FLEXOTUF: co-solvent polyamide inks
491 SERIES: alcohol polyamide inks
ROTOGEM: gravure paper and foil inks.

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5.12 CANADIAN TRADE INDEX. Toronto: The Canadian Manufacturers' Association, 1981.

TN * GC * SYN * MAN * (OHOHS)

Content: Comprehensive list of Canadian manufacturers "having more than a local distribution of products", irrespective of membership in the CMA. Updated annually. Eight sections easily identified by color-coded pages and letters of the alphabet.

The "Alphabetical List of Canadian Manufacturers" is detailed with company name, address, phone, description of products and partial listing of product trade names in some entries.

The "Classified List of Products Manufactured in Canada" is, in some cases, more usefully detailed than the corresponding list in other publications. For example, "the Acids" entry comprises 20 different types, number-coded and referenced to producers.
The "Trade Marks, Trade Names, or Brands" section content is general; no ingredient information.

Sample Entries: A-34 waterless hand cleaner, Dura Chemicals Ltd. ACOUSTEK ceiling coating, Canadian Everguard Division of Sternson Limited. (Section H - Trade Marks).

A.C. Rubber Manufacturing Co. Ltd. 5940 #2 Rd. Richmond, B.C. V7C 4R9 Tel. 604-270-1521. Marine engine mufflers, gaskets, etc. Brand: "ELASTOMUFFLE" (Section B - Alphabetical list of Canadian Manufacturers).

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5.13 CERAMIC DATA BOOK SUPPLIERS CATALOG AND BUYERS' DIRECTORY. - 60th ed. - Chicago: Cahners Publishing Co., 1981.

TN * CN * GC * MAN * ING * (OON) * Ref. 809.5/C41

Content: This commercial guide is included only because the advertisements are informative.

Sample Entries: CE (Combustion Engineering) Minerals (advertisement) --
MULCOA 47^{R} (calcined kaolin): a high fired aluminum silicate grog with low alkali and iron.
MULCOA 70^{R} (calcined bauxite): a high fired aluminum silicate grog with low impurities.

Hammil and Gillespie Inc. (advertisement) --
GERSTLEY BORATE 200 MESH: 28% B_2O_3 Calcium borate.
MOLOCHITE -- white grog, 57% mulite, P.C.E. 34-35, tunnel kiln calcined.
NYTAL 100 HR^{R} -- New York Talc, R.T. Vanderbilt Co. wollastonite.

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5.14 CHEMICAL ABSTRACTS. Columbus, Ohio: The American Chemical Society.

TN * GC * MAN * ING * CAS (OHM-S+E) * Range 132

Content: This "key to the world's chemical literature" has been published since 1906. It is now published weekly by the Chemical Abstracts Service, which attempts to provide "adequate and accurate abstracts of all scientific and technical papers containing new information of chemical or chemical engineering interest, and to report new chemical information revealed in the patent literature."

Divided into sections: "Macromolecular Chemistry" Applied Chemistry and Chemical Engineering", and "Physical and Analytical Chemistry". Ingredient and trade name product information does not appear to be linked.

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5.14 Continued

Sample Entry: 37 Plastics Fabrication and Uses. 94: 176270t Automobile wheels. Hitachi Chemical Co., Ltd. Jpn. Kokai Tokyo Koho 81 00,122 (Cl. B29D3/02), 06 Jan 1981. Appl. 79/76,036, 15 Jun 1979; 3pp. Thermosetting resin-impregnated fabrics and rovings of org. or inorg. fibers are applied alternatingly to form and cured to give an automobile wheel. Thus, 0.2-mm carbon fabric, carbon rovings, 0.254-mm KEVLAR fabric, and KEVLAR rovings are impregnated with a soln. of EPIKOTE 1001 (25068-38-6) and imidazole derivs. in MEK in vacuo and dried. A form at 80° is wound with the carbon fabrics, with KEVLAR rovings on the center and edges, and with KEVLAR fabric on the KEVLAR rovings, and cured 20 min at 160° and 300 kg/cm^2. (Vol. 94, No. 22: June 1, 81/175570-185137).

Note: (What follows is information from other sources, not from Chemical Abstracts.)

KEVLAR is the trade mark for an aromatic polyamide fiber; made by DuPont.

EPIKOTE 1001 contains Phenol, 4,4'-isopropylidenedi- polymer with 1-chloro-2,3-epoxypropane.

MEK is an abbreviation for methyl ethyl ketone.

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5.15 Crompton, T.R. CHEMICAL ANALYSIS OF ADDITIVES IN PLASTICS - 2nd ed. - Oxford: Pergamon Press, 1977.

TN+ING *	CN *	MAN *	(OHM-S+E) *	TP 1140 .C76

Content: Although designed primarily as a "practical text" for use in industrial and university laboratories, this book contains some chemical composition details for trade name products not normally found in text books.

Sample Entries: Some Ultraviolet Absorbers for use in Plastic Materials (p.84)

Chemical formula	Trade Name	Manufacturer
1. 2-hydroxy-4-methoxy-benzophenone	UVINUL M 40	General Aniline Co.
	UVISTAT 24	Ward & Blenkinsop
	CYASORB UV 9	Cyanamid

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5.15 Continued

2. 2,4-dihydroxy benzophenone	UVISTAT 12 UVINUL 400	Ward & Blenkinsop General Aniline Co.

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5.16 Bennett, H., ed. THE CHEMICAL FORMULARY: A COLLECTION OF COMMERCIAL FORMULAS FOR MAKING THOUSANDS OF PRODUCTS IN MANY FIELDS. Vols. 7-22. New York: Chemical Publishing Company, 1945-1979.

TN+ING * CN * MAN * (OHM-S+E) * Ref/TP 151 B47

Content: These books are similar to many of the Noyes Data Corporation publications, since they provide typical formulation details of actual products without providing the trade name of the product. The ingredient lists themselves contain trade-named products which can be linked to suppliers in the appendices. There are only about 400 trade-named chemicals listed in the 22nd (1979) edition of the series, however. The earlier editions of this series may be valuable for trade name and ingredient indentification of old stocks of unused chemicals.

Sample Entry: Metal Primers (Vol. 22 p.59) Formula No. 3

ingredient	amount
"BAKELITE" VMCH (Union Carbide)	142.5
MIBK	213.3
Xylene	284.1
Cyclohexanone	70.8
R-900-TiO_2	56.8
No. 317 Zinc Phosphate	49.8
"FLEXOL" 10-10 (Union Carbide)	28.4

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5.17 Proctor, N. and J. Hughes. CHEMICAL HAZARDS OF THE WORKPLACE. Philadelphia: Lippincott, 1978.

TN+ING * CN * GC * SYN * (OHOHS)

Content: This book presents the fundamentals of toxicology for each of approximately 400 toxic substances "most likely to be encountered at work."

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5.17 Continued

The main body of material consists of 368 monographs on chemical substances for the NIOSH Standards Completion Project, as well as on the 14 carcinogenic substances which were the subject of the earlier standards (USA). Entries are listed by chemical name, with trade name and generic name synonyms noted below. Ingredient information given by means of molecular formula.

Sample entry: (partial): dichlorodifluoromethane CCl_2F_2. Synonyms: FREON 12, REFRIGERANT 12, ISOTRON, GENETRON, FRIGEN 12. Physical form: colourless gas. Uses: Refrigerant gas; propellant for insect aerosol bombs.

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5.18 CHEMICAL PRODUCTS FOR THE CONSTRUCTION INDUSTRY. Ottawa: Industry, Trade and Commerce, 1969.

		CA 1
TN * MAN *	(OHM-S+E) *	TC 69
		C 36

Content: The title of this booklet promises more than the content delivers; it is primarly a Canadian government export promotions brochure containing only general information. It is included here because specialized trade name products are linked to manufacturers names; they may not be found elsewhere.

Sample Entry:

(From "Trade Names of Construction Specialties Available for Export." p.35)--

ACRA-SEALZ:.....Uniroyal Chemical Div.
AQUASEAL:.....Spicer's Asbestos Ltd.
AUTO SCRUB 61:.....Cartier Chemical Co. Ltd.
BLACK STUFF:.....H.B. Fuller Co. Ltd.
COP-R-NAP:.....Osmose Wood Preserving Co.
DUM DUM:.....Mobil Paint Company.
EPOXAE:.....Niagara Protective. Coatings.
IRONHIDE:.....Canadian Pittsburgh. Industries Ltd.
SEALTIGHT BUTYL:.....W.R. Meadows of Canada Ltd.

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5.19 CHEMICAL WEEK BUYERS'GUIDE ISSUE. - 1981 ed. - New York: McGraw-Hill, 1980.

TN * CN * GC * ING * MAN * (OHOHS)

Content: Extensive guide to sources of supply for more than 6,000 chemical products. Listings are divided into two major sections: (1) chemicals, raw materials and specialties, (2) packaging chemicals.

Symbols in front of company listings signify an insert or full-page advertisement. The inserts provide useful, but not complete, product information -- some list -- "composition", others do not. Most inserts include technical product data, trademarks or trade names, and physical characteristics.

Sample Entry: TORDON 101R Forestry Herbicide. Picloram plus 2,4-D as triisopropanolamine salt. Concentration 0.25lb. Picloram and one pound 2,4-D/gallon. (Dow Chemical Company)

EPAL 20+ (waxy solid) Composition by weight: 66% linear and branched alcohols C_{20} through C_{32}, 34% hydrocarbons C_{24} through C_{40}. Description: ever-numbered, straight-chain cuts of high purity made by the Ziegler polymerization of ethylene.

(Ethyl Chemicals Group)
PENTOXONE^{R}Solvent.
4-methoxy-4-methylpentanone-2...a true high-boiler. A carbonyl group and an ether linkage are combined in a single molecule, thus giving the...properties of both ketones and ethers. (Shell Chemical Company)

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5.20 CHEMICALS 77. London: Chemical Industries Association, 1976.

TN * CN * GC * SYN * MAN * (OTOL) * Ref. TP/12 .C517

Content: A directory of chemicals and allied products marketed by member firms of the Chemical Industries Association in Great Britain.

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5.20 Continued

Lists producers of chemical products and trade-named or "proprietary" products. Includes graphic display of trade mark designs.

Sample Entry: ALKATHENE (Polythene and ethylene vinyl acetate copolymers) Imperial Chemical Industries Ltd.

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5.21 CHEMICAL INDUSTRY DIRECTORY AND WHO'S WHO. Kent, England: Benn Group Publications, 1978.

TN * GC * MAN * (OH-BUS) * R/660 .025 C42

Content: Trade directory of British chemical and allied industries. Includes a classified Buyer's Guide and a Trade Names listing.

Sample Entry: BIOBAN P1487. Biocide for oil systems and emulsions. (Honeywill and Stein Ltd.) /BUTANOX Methyl ethyl ketone peroxides (Akzo Chemie U.K. Ltd.)/CITROFLEX A-4 Plasticizer acetyl tributyl citrate (Pfizer Ltd.) /COUMALUX. Optical whitening agent. (Ward, Blenkinsop & Co. Ltd.)

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5.22 CHEMISTRY AND INDUSTRY. London: The Society of Chemical Industry.

TN * CN * GC * MAN * (OHM-S+E) Periodicals

Content: Similar to other trade magazines, this one offers detail about new developments and new products being promoted. Trade name product information can be found by a careful review of the "News" and "Product Notes" section.

Sample Entry: "FBC gains Fison's expertise in herbicide R & D which leds to the development of NORTRON, sugar beet herbicide...both companies had several insecticides on the

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5.22 Continued

market, AMITRAZ (?) (Boots) and BENDIOCARB (?) (Fisons)."..."The Pharmaceutical Division has abandoned commercialization of its anti-allergy drug PROXICROMIL." (News Section-17 January 1981).

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5.23 Gosselin, R.E. (et al.) CLINICAL TOXICOLOGY OF COMMERCIAL PRODUCTS: ACUTE POISONING. - 4th ed. -Baltimore/London: Williams & Wilkins, 1977.

TN+ING * CN * GC * SYN * MAN * CAS * (OHOHS)

Content: This book is better for household goods and pesticides than for industrial products. It provides a "Trade Name Index" which lists over 17,500 trade names of products. In most cases the ingredients are stated, with asterisks marking those components expected to be responsible for harmful effects. A "General Formulation section", "Manufacturers Index", and an "Ingredients Index", are included. Detailed cross-referencing, and extensive explantory material.

Sample Entries: AATRAM 20G Herbicide (Ciba-Geigy Ag. Div.) Atrazine 6.32%, Propachlor (2-Chloro-N-iso-propylacetanilide)* 13.34%, related compounds 0.34%. (Trade Name Index)

Defoliant (1974 list): BOLLS-EYE, DEF 6, ENDOTHAL, FOLEX, Sodium CHlorate. (General Formulations, Agricultural).

ABSTEM (8061-00-5) See Calcium Cyanamide [c] at loc. no. 1113 (Ingredients Index). (c. The Active or Major Constituent)

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5.24 Gosselin, R.E. (et al.) CLINICAL TOXICOLOGY OF COMMERCIAL PRODUCTS: BULLETIN OF SUPPLEMENTARY MATERIAL, AND COMULATIVE INDEX. Rochester, N.Y.: University of Rochester, (Monthly).

TN+ING * CN * GC * SYN * MAN * CAS * (OTOL) * REF RA/1211 C641

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5.24 Continued

Content: The bulletins are designed to be "updates" of the data in the main book. They are prepared monthly by the Dept. of Pharmacology and Toxicology of the University of Rochester School of Medicine and Dentistry.

A star symbol in front of a trade name in the Cumulative Index signifies a change in formula, addition of percentages, or addition of ingredents.

Sample Entry: MARSON'S BLACK SOLDER (changed formula Nov. 1980) Plastic Filler. Resin Component: Styrene monomer (10-14%), Polyester (100% solids) (26-31%), Pigment & filler (50-60%), Di-methyl aniline (0.1-0.4%). Catalyst component: Benzoyl peroxide* (48-52%), Phthalate plasticizer (48-52%).

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5.25 COATINGS IN CANADA: FORMULATING AND FINISHING BUYER'S GUIDE. Toronto: Maclean-Hunter, 1979.

TN * CN * GC * MAN * (OON) * Lat. Ref. Ser. TP 934 C21

Content: This publication is useful mainly because the advertisements provide trade name information. The paint manufacturing and industrial finishing product listings have no trade name details.

Sample Entry: Enelchem Products, Div. of Canadian Titanium Pigments Ltd. (advertisement):

ONCOR^{R}M50^{R} -- basic lead silico chromate
M-P-A^{R}, BENTONE^{R} -- rheological additive
NALZIN ^{TM}SC-1 -- zinc complex
BARYTA WHILTE, X5^{R} -- barium sulphate

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5.26 Vostrcil, J.and F. Juracka, COMMERCIAL ORGANIC FLOCCULANTS. Park Ridge, N.J.: Noyes Data Corporation, 1976.

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5.26 Continued

TN+ING * CN * GC * MAN *		(OHM-S+E) *	TP 159 .F54M67

Content: This book presents in tabular form data on chemical composition,, patent reviews, trademarks, commercial sources and major applications of organic polymers used as flocculants, or coagulants and polyelectrolytes.

Sample Entries: Flocculant trade name-AEROFLOC 550. Chemical composition- anionic, powder or flakes (liquid 10%); synthetic product; polyacrylonitrile.

ARIPOL Fl. Chemical composition-synthetic product; copolymers of polyacrylic acid, acrylamid, and acrylate.

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5.27 Scott, J.A., ed. COMPEDIUM OF PEST CONTROL PRODUCTS REGISTERED IN CANADA. Pub. No. 1654p. - Ottawa: Agriculture Canada, 1979.

TN+ING * CN * GC * MAN *	(OHM-GOV) * (OHOHS)	CAI DA C56

Content: This is not one, but several volumes divided into the categories: -- Pesticides, Weed and Algae Controls, Products for Control of Plant Diseases, Plant Growth Regulators, and products for Control of Vertebrate Pests. Useful cross-referencing and readable code listings.

Note: "The common names used in this compilation are as defined in the Canadian Standards Association Standard Z143, Common Names for Pest Control Chemicals, or are "trivial" names recognized by the Canadian Standards Association. Where these names are not available, the chemical name has been used."

Each name in the "Index of Pesticides" is followed by a guaranteed ingredient code cross-referenced to other indices and lists in the volume.

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5.27 Continued

Sample Entries: From: List of Registered Products by Registrant, January 1979. ABB Agricultural and Veterinary Products Dov., Abbott Laboratories Ltd., North Chicago, Illinois 60064, US. Agent: -P.). Box 6150 Montreal, Quebec H3C 3K6. Products:
DIPEL Biological Insec WP BTB 16000 IU/MG.
DIPEL F Biological Insec WP BTB 16000 IU/MG
DIPEL SC Biological Insec SU BTB 9000 IU/MG
DIPEL 36B Biological Insec SU BTB 9000 IU/MG
(Ingredient code: BTB-Bacillus thuringiensis Berliner.)

From: Summaries of General Data on Pesticides (Addendum Nine 1973).
Chemical Name: Z-2-chloro-1(2,4,5-trichlorophenyl) vinyl dimethyl phosphate. Other names: GARDONA, RABOND, SD 8447. Empirical formula: $C_{10}H_9C_4O_4P$ Mol. wt: 365:98. Manufacture: By reaction of 1,2,4-trichlorobenzene with dichloroacetyl chloride in the presence of aluminum chloride to yield a crude pentachloroacetophenone which contains 80% of 2,2,2', 4',5'-pentachloro-acetophenone. This is reacted with trimethyl phosphite to produce technical GARDONA. Made by Shell Chemical Co.

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5.28 COMPENDIUM OF PHARMACEUTICALS AND SPECIALTIES. - 16th ed. - Toronto: Canadian Pharmaceutical Association, 1981.

		QV/Ref.
TN+ING * CN * GC * SYN * MAN *	(OHMB) *	722
	(OHOHS)	.C6

Content: This widely used reference book is designed to aid in identifying commercial drug products marketed in Canada. In the 700-page Monographs section main listings are either chemical or common brand names; registered trade names and synonyms are shown. The Manufacturers Index lists all the pharmaceutical preparations available from each supplier and Canadian distributor.

There is an Index of Brand and Nonproprietary Names of Single Entity Drugs. Ingredients are given in exact terms in this index. Brand names are clearly shown in all colour-coded sections.

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5.28 Continued

Sample Entries:

Monographs: ACET-AM[R] Preparations
Manufacturer - Organon. Theophyllinel Aminoacetate. Bronchodilator.

Manufacturer's Index: Abbott Laboratories, Ltd.
a) ABBOJECT[R] Calcium Chloride injection 10%
b) QUELICIN[R] Chloride for injection...
c) NORISODRINE[R] Sulphate powder for oral inhalation, cartridges 10% and 25%.

Index of Names of Single Entity Drugs: (partial records)
a) AAARANE: Sodium Cromoglycate
b) Acetominophen. APAP. NAPAP. paracetamol. N-acetyl-p-amino-phenol. Exdol (Frosst), PARALGIN (ICN), TIVRIN (Whiltehall), TYLENOL (McNeil).

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5.29 Hawley, G. CONDENSED CHEMICAL DICTIONARY. 9th ed. - New York: Van Nostrand Reinhold, 1977.

TN+ING * CN * GC * SYN * MAN * (OHOHS)

Content: THis is a very useful dictionary, a compendium of technical data and descriptive information covering severalthousand chemicals and processes. Three distinct kinds of information are presented: (1) technical descriptions of chemicals, raw materials, ad processes. (2) expanded definitions of chemical entities, phenomena, and terminology. (3) description of identification of trademarked products used in the chemical industries.

The "commonly accepted" name is the key entry. A name with first-letter caps and enclosed in quotation marks is a trademark (or brand name) followed by a number referring to the manufacturer in Appendix 1.

Trade names can be found both in bold-face headings and in the text descriptions of ordinary substances like "cellulose". Synonyms are entered independently and cross-referenced. The molecular formula is given in many cases.

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5.29 Continued

Sample Entries: "COOPER INHIBITOR 50"[28]. Trademark for 50% disalibylalpropylenediamine, and 50% aromatic solvent. Used to prevent catalytic action of cooper on oxidation of natural and synthetic rubbers. (DuPont de Nemours, E.I. & Co.)

"V-C 13 NEMACIDE"[40]. Trademark for a 75% emulsifiable concentrate whose active ingredient is 0-2, 4-dichlorophenyl-0, 0-diethylphosphorothioate. Hazard: Highly toxic. Uses: Insecticide and nematocide. (V-C Chemical Co.)

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5.30 COSMETIC INGREDIENT DICTIONARY. - 2nd ed. - Washington, D.C.: The Cosmetic Toiletry and Fragrance Association, 1976.

TN+ING * CN * GC * SYN * MAN * CAS * (OOCI) * Ref. TP 983 .25 C6

Content: This book is the result of a survey initiated by the CTFA to generate a comprehensive list of cosmetic ingredients. Twenty companies responded; a list was created, complete with chemical and trade names and CAS numbers. The chemicals described include diluents, fillers, solvents, preservatives, antioxidants and other substances, some of which are widely used in industrial manufacturing. Trade names, information source codes, chemical formulae and structure are provided in the monograph section. The chemical/trade names section lists the CFTA adopted name beside the trade name.

Sample Entries:
BHT: CAS no. 128-37-0 Def. BHT is a substituted toluene that conforms to the formula...(chemical structure given) Other names: Butylated hydroxy-toluene, CA)-3 (Ashland), DBPC, 2,6-Di-t-butyl-p-cresol, IONOL (Shell), IONOL CP (Shell), TENOX BHT (Eastman).

Glycerin: CAS no. 56-81-5 Def. ... the polyhydric alcohol that conforms to the formula....Other names Glycerol, MOON, STAR, SUPEROL (all Procter and Gamble).

Cellulose: Cas no. 977006-65-7 Def. ...a natural polysaccharide derived from plant fibres. Other names: AVICEL (FMC), SOLKA-FLOC (Brown).

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5.30 Continued

Polysorbate 80: CAS no. PM9005-65-6 Def. ... a mixture of oleate esters of sorbitol and sorbitol anhydrides...condensed with approx. 20 moles of ethylene oxide.
Other names: ARMOTAN PMO-ZO (Anmak), CAPMUL POE-O (Capital City), DREWMULSE POE-SMO (PVO) EMSORB 6900 (Malmstrom), GLYCOSPERSE 0-20 (Glyco), etc.

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5.31 Weast, R., ed. CRC HANDBOOK OF CHEMISTRY AND PHYSICS. - 61st ed. - Boca Raton, Fla: CRC Press, 1980.

TN+ING * CN * GC * SYN * MAN * (OHM-S+E) * Ref/QD 65 .H23

Content: The sections of this comprehensive guide which offer the most obvious clues to trade name and ingredient indentification are: --

(1) "Physical Constants of Organic Compounds"

(2) "Trade Names of Dyestuff Intermediates"

(3) "Trade Names, Composition and Manufacturers of some Plastics"

Sample Entries:
(a) Salicylaldehyde azine or SALIZINE $C_{14}H_{12}N_2O_2$. Mol.wt. 240.27.
(b) Salicylic acid (methoxymethyl) ester or MESOTAN $2\text{-}HOC_6H_4CO_2CH_2OCH_3$. Mol. wt. 182,18.
(c) Urea, 3-(chlorophenyl)-1,1-dimethyl or CNV WEED KILLER $ClC_6H_4NHCON(CH_3)_2$ Mol. wt.198.65. (From (2) above).

ALIZARIN/Chemical name: 1,2-Dihydroxyanthraquinone.

FAST RED GG Base/Chemical name: p-Nitroaniline. (From (2) above).

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5.31 Continued

ADIPOL BCA/Composition: Di-butoxyethyl adipate. Manufacturer: Food Machinery and Chemical Corp. (From (3) above).

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5.32 DANGEROUS CHEMICAL SUBSTANCES and PROPOSALS CONCERNING THEIR LABELLING. - 3rd ed. - Strasbourg: Conseil de l'Europe, 1971.

TN+ING * CN * SYN * (OOCI) * TP 149 C6

Content: This book aims to include only pure substances for which the chemical formula is clear. Nevertheless, due to the rarity of encountering pure substances, "chemical elements and their compounds as they occur naturally or in manufacture" have been taken into consideration. Known also as the "Yellow Book" this work concerns danger symbols applicable to over six hundred dangerous chemical substances and five-language equivalents for each chemical substance.

Sample Entry:
CYANTHOAT: O, O-Diathyl-S (N(1-cyan-1-methyl)aethyl) carbamoyl-methyl-monothiophosphat
$(H_5C_2O)_2P(O)SCH_2NHC\ CN\ (CH_3)_2$.

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5.33 Sax, Irving. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS. - 5th ed. - New York: Van Nostrand Reinhold, 1979.

TN+ING * CN * GC * SYN * (OHOHS)

Content: Contains hazard analysis information on 15,000 common industrial laboratory materials, including synonyms and some registered trade names. Good cross-referencing.

Sample Entry: ZOALENE^R 3, 5-Dinitro-o-toluamide. Chlorinated diphenyls: Syns. (partial list) AROCHLOR, CHLOPHEN, CHELOREXTOL, DYKANOL, FENCLOR, INERTEEN, KANECHLOR, MONTAR, NONFLAMOL, PCB's, PHENOCLOR, PYRANOL, SOLVOL, THERMINOL FR-1.

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5.33 Continued

FOLIMAT. Colourless to slightly yellow oily liquid, water-sol. $C_5H_{12}O_4PSN$, mw. 213.1, d:1.32...an insecticide; toxic to bees.

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5.34 Simons, E.N. A DICTIONARY OF ALLOYS. London, Eng.: Frederick Muller, 1965.

TN+ING * CN * GC * SYN * (OHM-S+E) TA 483 .555

Content: Alphabetical listing of short descriptions of alloys, including ingredients, physical properties, some brand names, classes and synonyms, composition tables and uses.

Sample Entry: (partial): HITENSO Alloy--An American proprietary bronze of high conductivity for electrical service, as in wires to withstand severe weather conditions. The composition varies according to the minimum conductivity (85% - 30%) from 99.2 - 98.2 copper with either 0.8 or 1.0 cadmium, or 0.5-1.8 tin.

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5.35 Kinniburgh, W. DICTIONARY OF BUILDING MATERIALS. London: CR Books Ltd. 1966.

TN+ING * CN * GC * SYN * MAN (OHM-S+E) * TA 402 .K5

Content: Includes short descriptions of both trade name and common name materials. Trade name listings provide manufacturer name.

Entries vary from short and basic -- four lines on "EPIKOTE", to long and detailed -- one full page on "EPOXY Resins". Trade name products are described in brief, sometimes with ingredient and physical details; uses are briefly explained.

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5.35 Continued

Sample Entry: ACCOTILE: A trade name of thermoplastic floor tiles produced by Armstrong Cork Co. of London (England). They are composed of asbestos, mineral fillers, fast mineral pigments, and bonded with asphaltic or resinous materials.

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5.36 Snell, F.D. DICTIONARY OF COMMERCIAL CHEMICALS, - 3rd ed. Princeton, New Jersey: Van Nostrand, 1962.

TN * CN * GC * SYN *	(OHM-S+E) *	TP 200 .S55

Content: This book recognizes in its preface what is still true, that "trade information tends toward expansion of the original and remarkable properties of the product, rather than data on its essential composition and method of preparation." Only commercial chemical compounds of some trade importance are included in the dictionary. There is some ingredient information but it is general, not specific.

Sample Entries: Cellulose Acetate plastics ... typical examples are FIBESTOS, HERCULES FLAKE, LUMARITH, NIXON, PLASTACELE, TENITE I. (p.613)

METHOCEL, a trade name for Methyl Cellulose, is a white powdered or fibrous cellulose ether obtained by the reaction of alkali cellulose with methyl chloride. (p.613)

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5.37 DOCUMENTATION OF THE THRESHOLD LIMIT VALUES - 4th ed. - Cincinnati, Ohio: American Conference of Governmental Industrial Hygienists, 1980.

TN+ING * CN * GC * SYN *	(OTOL) * (OHOHS)	REF/RA 1211 .A512

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5.37 Continued

Content: Contains information on "virtually every chemical substance that apperas in the 1980 TLV booklet". Detail varies from one substance to another, depending on the availability of pertinent data. The primary chemical name appears first, with synonyms on the second line of the entry.

Sample Entry: 4,4'-Methylene Bis (2-Chloroaniline) synonym MOCA® CH_2 $(C_6H_4Cl\ NH_2)_2$. Suspected carcinogen. MOCA is a tan-coloured solid with a molecular weight of 269.17...It is a curing agent for polyurethanes and epoxy resins.

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5.38 Chalmers, L. DOMESTIC AND INDUSTRIAL CHEMICAL SPECIALTIES. London: Leonard Hill, 1966.

TN+ING * CN * GC * MAN *	(OTU-ENG)	TP 200 C36

Content: This book contains basic formulations, abstracts and patent references. Appendix 11 is the most relevant section -- a 70 - page index of trade name products, with corresponding manufacturer and chemical formula (or chemical class) information.

Sample Entries: (from Appendix 11) US Surface Active Agens (p.420)

AEROSOL 18...American Cyanamid Co...Disodium (paste) N-octa-decylsulfosuccinamate (35% concentration)

AEROSOL OS...American Cyanamid Co...Sodium isopropyl- (powder) naphthalene sulphonate (75% concentration)

VANTOC CL....I.C.I. Company...Lauryl dimethyl benzyl (liquid) ammonium chloride (50% concentration)

VANTOC N.....I.C.I. Company...Alkyl trimethyl ammonium (solid) bromide (90% concentration)

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5.39 EASTERN CHEMICAL PRODUCERS. Menlo Park, California: Chemical Information Services, Stanford Research Institute, 1971.

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5.39 Continued

TN * CN * GC * SYN * MAN * (OTU-ENG) TP 12 E27

Content: The publication of this regional directory, which includes 12 eastern American states, follows the 195 directory of Western Chemical Producers. General product listings are by state, by city, by company, and by chemical name but not by trade name. However, the alphabetical product list at the end is definitely worth reviewing for synonyms, trade names and abbreviations. Good cross-referencing.

Sample Entries: From alphabetical product list (p.27 and 63):

EGTA..... (See: Ethylene glycol bis (aminoethyl) tetra acetic acid under Chelating Agents.)
ELGEN..... (See: 1,1,3,3,5 - Pentamethylindan)
NIA 10637... (See: Ethyl hydrogen 1-propyl phosphonate)
OVOTRAN^{R}.. (See: p-chlorophenyl-p-chlorogenzene -sulfonate)
PENTAC^{TM}.. (See: Decachlorobis (2,4-cyclopenta-diene-1-yl)
POMARSOL Z.. (See: Dimethyldithio-carbamic acid, zinc salt under Rubber Processing Chemicals.)

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5.40 EASTMAN TECHNICAL DATA SHEETS. Kingsport, Tennessee: Eastman CHemical Products Inc.

TN+ING * CN * GC * SYN * MAN * (OTOL) Ref *

Content: There are four binders of technical data sheets from Eastman Kodak at the library we consulted. The content is informative but unevenly so. For example, there is a great deal of information in the Food Additives section, while only one out-dated folder appears in the Rubber Additives area. Many folders are pre-1970.

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5.40 Continued

Other sections include Spolene Resins; Petroleum Additives; Adhesives; Glycols; Development Compounds; Solvents and Alcohols; Organic Chemical Bulletins; Acids, Anhydrides, and Aldehydes; Hydroquinone and Derivatives; Cellulose esters; Plasticizers (largest section); Miscellaneous Chemicals.

Sample Entries:

TDS No. F - 157 Polish ES-10-NDA-365, containing an Emulsion based on EPOLENE^{R} E-10 Wax.

		pts. by wt.
Components:	A) UBATOL DW-801 polymer (15 wt.%)	70.0
	TERGITOL NP-40 surfactant	1.0
	Ethylene glycol	1.5
	B) DUREZ 19788 resin (15 mt.%)	10.0
	Tributosyethyl phosphate	1.2
	Aqueous zinc solution (5.8 mt.%)	2.75
	Wax emulsion based on EPOLENE E-10	20.0
	2-Pyrioliodone	0.5

MIL-L-7808 Formulation based on w, 2, 4-Trimethylpentanediol - 1, 3,-Dipelargonate.

Composition, % by Wt.	
TMPD Dipelargonate	92.50
Acryloid HF-825 Resin ([a])	3.50
Tricresyl Phosphate	3.00
Penothiazine	1.00

. (a) product of Rohm and Haas Company.

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5.41 Kirk-Othmer, ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY. 3rd ed., Vol. 1- New York: Wiley- Interscience, 1978-.

TN+ING * CN * GC * SYN * MAN * CAS * (OHM-S+E) TP 9 .E685

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5.41 Continued

Content: A comprehensive multi-volume encyclopedia with entries identified by Chemical Abstracts Service registry numbers. Synonym information not extensive.

Sample Entry: From Volume 2, Alkoxides to Antibiotics (Peptides). General Anesthetics, Fixed: KETAMINE (KETAJECT-Bristol; KETALAR-Parke-Davis), 2-(-o-Chlorophenyl)-2-Methylaminocyclohexanone (6740-88-1).

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5.42 Sisley, J.P. ENCYCLOPEDIA OF SURFACE-ACTIVE AGENTS, Vol.1 & 2. New York: Chemical Publishing Company, 1964.

		Ref./TP
TN+ING * CN * GC * MAN *	(OHM-S+E)*	990 .S513

Content: A specialized encyclopedia, this book contains information on detergents, wetting agents, and emulsifiers. Both American and European products are included. The book provides ingredient details straightforwardly.

Sample Entry (partial) LISSAPOL D Paste. I.C.I. Company. Composition: Sodium oleyl cetyl sulfate. Form: cream - coloured paste. Application: Detergent, general textile auxiliary (Vol 2, p.350).

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5.43 EPOXY RESIN HANDBOOK. Park Ridge, N.J.: Noyes Data Corporation, 1972.

		TP
TN+ING * CN ** MAN *	(OHM-S+E) *	1180 .E6N64

Content: This is a reference book of technical data and specifications for commercial epoxy resins and allied compounds as manufactured or sold in the U.S. by 71 companies. All information is taken directly from the manufacturers'data sheets.

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5.43 Continued

Sample Entries: Shell EPON Resin Solutions Solvents

1001-BT-70 = MEK: Toluene 50:50
1001-CX-75 = MIBK: Xylene 65:35
1001-FT-75 = n-butanol: Toluene 50:50

Dow Flame Retardant Epoxy Resins --
(a) D.E.R.^{R}542 EPOXY RESIN...contains 44 to 48% bromine.
(b) 61R=50% D.E.R. 542 and 50% D.E.R. 331 (blend).
Hardener: Nadic Methyl Anhudride (60 parts per 100 parts resin); 1.5 parts benzldimethylamine (BDMA) per 100 parts resin added as an accelerator.

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5.44 Rose, D., (et al.) ETHYLENETHIOUREA (ETU): No. 18469 CRITERIA FOR THE ASSESSMENT OF ITS EFFECTS ON MAN. - No. 18469 - Ottawa: National Research Council of Canada, 1980.

TN+ING * CN * GC * SYN * MAN * CAS * (OHOHS)

Content: This document has been chosen to demonstrate what can be learned about trade-named materials from scientific papers not ordinarily consulted for such information. Synonyms and trade names are given in Appendix 1.0.

(ETU ia a toxicologically significant decomposition product formed during the chemical or biological degradation of ethylenebisdithiocarbamates (EBDC'S) an important group of fungicides used on seeds and crops. It has also been used since 1948 in the curing of rubbers and elastomers, and specifically as an accelerator in the vulcanization of neoprene rubber.)

Sample Entry: Appendix 1.0 Synonyms and Trade Names for ETU (NIOSH 1978, Gregory 1978) (partial list) Chemical Abstracts Service Reg. No. 96-45-7. ROBAC 2.2, THIATE-N, VULKACIT NPV/C, NA-22, NA-22-D, PENNAC CRA, RHODANIN S-62, WARECURE C, JOR 4022, N-22F.

Structures of various EBDC pesticides and their alternative names (US EPA 1977...) -- Common name; Maneb. Other names -- MANZATE 200, CARMAZINE, FARMANZ, FORE, MOROMATE. Co-ordination prodct of Maneb containing 16 to 20% Mn and 2.0 to 2.5% Zn.

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5.45 FARM CHEMICALS HANDBOOK. - 63rd Edition. - Willoughby, Ohio: Meister Publishing, 1977.

		Ref./S
TN+ING * CN * GC * SYN * MAN *	(OTOL)	585 .F22

Content: Published annually by Farm Chemicals magazine, this handbook contains a dictionary of pesticide compounds, plant foods and fertilizers, listed by trade name or common chemical name. An asterisk * signifies the common name officially designated by USDA (United States Department of Agriculture). Trade names, common names, and chemical names are cross-referenced. Names of basic producers and major formulators are indicated, with cross-referencing to mailing addresses.

Sample Entry: Captan (Common name officially designated by USDA.) Chemical Name-: cis-N-(Trichloromethyl)thio)-4-cyclohexene-1, 2-dicarboximide. Common name: captan, captane (France). Other names: MERPAN*, ORTHOCIDE*, VONDCAPTAN*. Combinations: seed protectants - with diazinon (AGROX* 2-way); with diazinon and lindane (AGROX*3-Way); with maneb (AGROSOL*S). See AGROX*2-Way, AGROX*3-Way, GRANOX* PFM.

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5.46 Roff, W.J. and J.R. Scott. FIBRES, FILMS, PLASTICS AND RUBBERS: A HANDBOOK OF COMMON POLYMERS London: Butterworths, 971.

		TP
TN * CN * GC * SYN *	(OHM-S+E) *	1120 .R64

Content: Trade names and synonyms of individual polymers, resins, and rubbers are easily located at the beginning of each of about 50 sections in the book. Chemical composition is not given for individual products, although structural detail for individual products, although structural detail for the "simplest fundamental unit" is provided".

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5.46 Continued

Sample Entries: Polyethylenes: syns. and trade names -- ALATHON, CARLONA, DYLAN, HILEX, LUPOLEN, RIBLENE, ROTENE, VESTOLEN, etc. (p.3)

Indene and Coumarone/Indene Resins: syns. and trade names -- CATAREX, CUMER, EPOK C, PICCOUMARON. (p.59) Cellulose Acetate: syns. and trade names -- SAFETY CELLULOID, BEXOID, CELASTOID, CELLASTINE, CELLOMOLD, CLARIFOIL, DEXEL, KODAPAK, RHODOID, TENITE. (P.149)

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5.47 FIRE PROTECTION GUIDE ON HAZARDOUS MATERIALS - 7th Ed. - Boston: National Fire Protection Association. 1978.

TN * CN * GC * MAN * (OHOHS)

Content: Includes a "Flash Point Index of Trade Name Liquids" for more than 8,800 products, in both alphabetical and numerical trade name lists. The index covers liquids having a flash point or an Underwriters Laboratories Inc. classification.

Sample Entry: NAPREX[8] 38 - Flash pt. 310 F COC Principal Uses: process oil; plasticizer; rubber extender oil. Manufacturer: Mobil Oil Corporation. (p.169).

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5.48 FLOORING DIRECTORY AND BUYING GUIDE. - 1981 ed. - New York: Harcourt, Brace, Janovich Merchandising, 1980.

TN * GC * MAN * (OON) * Lat. Ref. Ser. TH1 F63

Content: This specialized guide offers general information only on products such as adhesives, adhesive removers, rug cleansers, waxes and polishes.

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5.48 Continued

Sample Entries: PLACCO, BA-6122: Borden Inc. Chemical Div. Asphalt clay emulsion for above and below grade.
G-390: Adhesive Industries Mfg. Co. vinyl and vinyl foam adshesive.
VORITE 677 M-3: NL Industries Inc. Outdoor polyurethane adhesive for synthetic turf.
No., 210: silicone grout sealer, Construction and Consumer Products Div., H.B. Fuller.

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5.49 FRASER'S CANADIAN TRADE DIRECTORY. - 68th ed. - Toronto: Maclean-Hunter, 1981.

TN * GC * MAN * (OHOHS)

Content: Section called "Trade Names" lists over 15,000 products, along with company name and city address. Section called "Canadian Manufacturers" includes Canadian incorporations of foreign companies not manufacturing in Canada: also includes brief description of general product line.

Content basic; useful only for matching product name to company, or for locating address of company. Products listed range from industrial detergents to cribbage boards.

Sample Entries: ACCENT Degreaser - Avmor Ltd. Montreal H2Y 2L1 (514) 849-8074.

ACITITE Blue Asbestos Acid Resisting Lubricants -- Anchor Packing Div Robco Inc. Montreal H4C 1V7 (514) 937-9151.

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5.50 GENERAL ELECTRIC COMPANY MATERIAL SAFETY DATA SHEETS. Schenectady, N.Y.: Technology Marketing Operation, G.E. Company, 1980.

Ref/T.55.3
.H3
.G326

TN+ING * CN * GC * SYN * MAN * CAS * (OTOL)

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5.50 Continued

Content: This is a collection of several hundred product data sheets produced by the company. At the beginning there is an index (dated April 1981) of all available data sheets, classified as inorganic materials, organic materials, or tradename listings; 208 are tradename product data sheets. Brand name synonyms, corresponding manufacturer details and ingredients are generally clear and unequivocal.

Sample Entries:

CONAP 1155, Part A (Trade Name) MSDS No. 1004A
Other designations: CONATHANE CE-1155 Part A.
Manufacturer: Conap Incorporated
Ingredients:
CELLOSOLVE ACETATE (see MSDS No. 321).....20%
Xylene (see MSDS No. 318).....12%
Free TDI (Toluene-2,4-diisocyanate) (see MSDS No. 331) 2%
Urethane Resins (90% solids).....balance

MEK Peroxide Solution (11 wt % min "active oxygen")
MSDS No. 329. Other designations: Methyl Ethyl Ketone Peroxide Solution, GE Material D5Y28, LUPERSOL DDM, and DELTA-X (trade names).
Manufacturer: Pennwalt Corporation, Lucidol Division.
Ingredients:
MEK Peroxides (CAS 001 338 234.....ca 60
Dimethyl Phthalate Solvent (MSDS No. 430).....ca 35
Proprietary aqueous solvent mixture.....balance

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5.51 Keating, Michael. THE GLOBE & MAIL. "List of Chemicals under Review".: Toronto (April 27) 1981.

TN * CN * (OHOHS)

Content: An article about deceptive safety tests on pesticides is accompanied by a list of 89 chemicals under review by Canada's Health Department, because their registration depended on tests done by Industrial Biotest Laboratories. This source is included to show that the Globe & Mail can be unexpectedly useful and should be reviewed, possibly through an InfoGlobe data base search.

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5.51 Continued

Sample Entries: Excerpted from list of 89 chemicals under review - (p.5).

Common Name	Trade Name
acephate	ORTHENE
calcium hypochlorite	HTH
dinitramine	COBEX
propham	IPC
trialiate	AVADEX BW

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5.52 GUIDE TO THE CHEMICALS USED IN CROP PROTECTION. - 6th ed. - Publication 1093. - Ottawa: Agriculture Canada, 1973.

TN+ING * CN * GC * SYN * MAN (OTOL) (OHOHS) Ref CAN. A41-17

Content: Detailed chemical data sheets describe exact formulations and "alternative" names of agriculturally important chemicals.

Sample Entry: (partial): Diquat dibromide $C_{12}H_{12}N_2Br_2$ - REGLONE (PLant Protection), AQUACIDE (Chipman Chemical); Manufacture: Reaction of 2,2'-dipyridyl with ethylene dibromide. Formulations - aqueous concentrates 140gm diquat/litre, 200gm diquat/litre, 240gm diquat/litre. Water soluble granules 2.5% diquat plus 2.5% paraquat.

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5.53 GARDNER, William. HANDBOOK OF CHEMICAL SYNONYMS AND TRADE NAMES. - 8th ed: - Oxford: Technical Press, 1978.

TN * CN * SYN * ING * MAN * (OHOHS)

Content: Contains over 35,500 definitions. Since 1971 3,300 were added from the plastics, alloys and pharmaceutical fields. Two parts: a dictionary, and a numbered index of manufacturers (400 added since 1971). Entries known to be proprietary trade names are denoted by a reference number keying the entry to the index of manufacturers. No addresses.

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5.53 Continued

Sample Entry: ABALYN. a registered trade name for a synthetic resin composed of the methyl ester of abietic acid. A plasticiser. A liquid used for the manufacture of varnishes. (93) - Hercules Powder Company.

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5.54 Verschueren, K. HANDBOOK OF ENVIRONMENTAL DATA ON ORGANIC CHEMICALS. New York: Litton Educational Publishing VNR, 1977.

			Ref.
TN+ING * CN * GC * SYN *	(OTOL) *		TD/196.073
	(OHOHS)		.V562

Content: Listings are by chemical name, with a few chemical and trade name synonyms. Emphasis on technical properties and environmental impact.

Sample Entry: (partial): hexamethylene 1,6-diisocyanate (HDI; "DESMODUR H") OCN $(CH_2)_6NCO$.

1,1,1-trichloroethane (methylchloroform; GENKLENE (ICI); CHLOROTENE (Dow Chemical). CCl_3CH_3.

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5.55 HANDBOOK OF INDUSTRIAL MATERIALS. - 1st ed. - England: Trade and Technical Press Ltd., 1979.

		TA
TN+ING * CN * GC * MAN *	(OTOL) *	403
		.H236

Content: An update for industrial manufacturers in ferrous, non-ferrous, non-metallic, artificial and natural materials. Large section on plastics. No organized trade-names section; reader must search through text.

Sample Entry: (partial): Principal Nylon Resin Suppliers (Europe).
Akzo - AKULON (nylon 6, nylon 6:6)
Ato Chimie - ORGAMIDE (nylon 6)
BASF - ULTRAMID (nylon 6, nylon 6:6 nylon 6:10)
Dupont - ZYTEL (nylon 6:6) MINLON (nylon 6:6)
Hoechst - HOSTAMID (amorphous polyamide)

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5.56 Zimmerman, O.T. HANDBOOK OF MATERIAL TRADE NAMES. Supplement 1V to the 1953 Edition. Dover, N.H.: Industrial Research Service, 1965.

TN+ING * CN * GC * SYN * MAN * (OTMCL-BUS) TP 151 Z5

Content: Supplement 1V is the most recent edition of this unusual book -- most of the thousands of entries are industrial trade name products.

Distinctive symbols designate trademarks registered in the U.S. patent office; unregistered trademarks; generic and common names; and trademarks registered in Canada, Germany and Great Britain.

Sample Entries: ACCURAC^{R} 24 - An anionic polyacrylamide flocculant and retention aid. It is formed by the copolymerization of acrylamide and acrylic acid; used as an aid in the retention of fillers and pigments in the manufacturing of pulp and paper. American Cyanamid Co.

POT O'GOLD ^{R}. A line of nitrogen fertilizer materials including Aqua Ammonia; low-pressure 37% and 40%, Nitrogen Solutions, both with and without urea; non-pressure 28%, 30%, and 32% Nitrogen Solutions; and 19% and 21% Nitrogen Solutions, which are made from ammonium nitrate and water. International Minerals and Chemicals Corp.

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5.57 Dreisbach, Robert H. HANDBOOK OF POISONING: PREVENTION, DIAGNOSIS, & TREATMENT. California: Lange Medical Publications, 1980.

TN+ING * CN * GC * SYN * (OHOHS)

Content: Poisons are organized into industrial, agricultural, household, medicinal, and natural hazards. Brand names are scattered throughout the text and in the general index. The preface says "Only those brand name products likely to be important clinically or whose composition is not obvious" are included in the index.

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5.57 Continued

The approximate concentration of active ingredient is given in the index. Cross-references in the index are sometimes to synonymous or chemically similar substances...The book has been translated into Spanish, Portuguese, Japanese, and Polish.

Sample Entries: (partial): TOXAPHENE (Chlorinated Camphenes) consists of chlorinated terpenes with chlorinated camphene predominating. It is available for insecticidal use in the form of wettable powders, dusts, emulsion concentrates, and concentrated solutions in oil.

Index listing: ACME--BAIT-M, RED RIVER POTATO MIX or WEED KILLER. See Arsenic (10%), 215.

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5.58 HAZARD ALERT "ATTENTION". Vol. 1-3 National Office: United Steelworkers of America, 1980.

TN+ING * CN * GC * SYN * (OHOHS)

Content: About 440 chemicals and compounds are listed in safety data sheet format in a three-volume set. This readable guide includes an extensive 47-page list of synonyms for chemical names, including trade names, clearly cross-referenced.

Sample Entries: (partial) ANTU $C_{10}H_7$-NH-CS-NH_2
Synonymes: BANTU, Alpha-naphtyl-thiourea, ANTURAT, CHEMICAL 109.

1-chloro-1 Notro-Propane CH_3-CH_2-CH Cl - No.2
Synonym: KORAY.

2-Choro-6-Trichloromethyl Pyridine $C_6H_3Cl_4N$.
Synonym: N-SERVE.

Diethyl Phthalate C_{12} H_{14} O_4 Synonyms: ANOZOL, SOLVANOL, DEP, PHTHALOL.

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5.59 Moses, C. (et al.) HEALTH AND SAFETY IN PRINTMAKING. Edmonton: Alberta Labour, 1978.

TN+ING * CN * GC * SYN * (OHOHS)

Content: A "manual for printmakers", this book outlines hazards and precautions to be aware of in using solvents, acids, powders, printing inks and photo materials. Over 130 materials were examined.

Discussion of each category is followed by a chart of trade name products, synonyms, chemical composition, and recommended TLVs (threshold limit values).

Sample Entry: (partial) PLASTI-VAC GLOSS INKS. Chemical Composition: pigments, resins, solvents: butyl CELLOSOLVE, isophorone, CELLOSOLVE acetate, diacetone alcohol, aromatic hydrocarbon solvent. (p.67).

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5.60 HERBICIDE HANDBOOK. - 3rd ed. - Champaign, Ill.: Weed Science Society of America. 1974

TN+ING * CN * GC * SYN * MAN * (OTOL) OE/Ref. SB/951.4 .H41

Content: This book includes herbicides, desiccants, plant growth regulators, ad various chemicals other than surfactants. Contains a trade name index.

Entries are arranged by "Common Name", usually an abbreviation of the exact chemical name.

Sample Entry: EPTC (S-ethyl dirpopylthiocarbamate.) Trade names and manufacturer: EPTAM, KNOXWEED,(various mixtures of EPTC and the iso-octyl ester of 2,4D), ERADICANE (mixture of EPTC and R-25788 antidote). Stauffer Chemical Company.

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5.61 Flick, E.W. HOUSEHOLD AND AUTOMOTIVE CHEMICAL SPECIALTIES: RECENT FORMULATIONS. Park Ridge, N.J.: Noyes Data Corporation, 1979.

TN+ING * CN * GC * MAN * (OTU-ENG) TP 210 F56

Content: Similar to other books from Noyes, this one consists of a product formulation section and a trademarked "raw material" index. The identity of the products in the formulation section is not clear despite the composition details; no tradenames are linked to formulations. In some cases, however, the manufacturer details list a bulletin number or code which can be useful.

The chemical descriptions in the Trademarked Raw Material at the end of the book are generally specific, at least with respect to active ingredients.

Sample Entries: (partial): From Formulation Section (p.145): Liquid General Purpose Heavy Duty Cleaner (Pine Oil, Tall Oil, Phosphate, Caustic): --

raw materials	percent by weight
GLIDCO PINE OIL 150	20.0
SYLVATAL 40 TALL OIL	18.7
Sodium hydroxide (50% solution in water)	5.2
Water	51.1
Trisodium phosphate	5.0

Formulation notes: contains 46.1% active ingredients. Source: Glidden Organics, SCM Corp.. P.O. Box 389 Jacksonville, FL 32201. Technical Service Report TSR 73-3: Glidco Pine Oil 150 in Pine Oil Soaps, Cleaners and Disinfectants - Formulation No. 146. (p.145).

From Trademarked Raw Materials (p. 361)
AMSCO NAPHTHOL SPIRITS 66/3 -- Solvent consisting of 61% paraffins, 39% naphthenes, and 1% aromatics. (Meets Rule 66 and Reg. 3) Amsco Div.

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5.62 Chalmers, L. HOUSEHOLD and INDUSTRIAL CHEMICAL SPECIALITIES. - 2nd ed. - Vols. 1 & 2. New York: Chemical Publishing, 1978.

TN+ING * CN * GC * SYN * MAN * (OHM-S+E) * TP 200 .C36

Content: These books are unusual in the broad scope and amount of detail they present. They contain readable explanatory material on product development, physical properties, percent composition tables (by ingredient) of trade name products, and a substantial amount of manufacturer information.

Formulation examples are representative of general categories and not linked to particular trade names, but "typical" details provided may be useful.
The first volume covers soaps, synthetic detergents, laundry enzymes, optical brighteners, fabric conditioners, pesticide and mothproofing compounds.

The second volume covers polishes, removers, adhesives, disinfectants, paints and allied products, abrasives, and aerosols.

These volumes might profitably be used together with other publications having trade or brand name and manufacturer content.

Sample Entries: From Volume 1: Liquid Detergents (p.51). The use of trisodium citrate has been claimed by Pfizer to obviate the need to use any phosphates.

	% W/W
Trisodium citrate $2H_2O$ (a)	20.0
Hydrous sodium silicate L-20 (b)	2.5
Hydrous sodium solicate H-20 (b)	27.5
PLURAFAC RA-43 (c)	3.0
Sodium dichlorohsocyanurate CDB-63 (d)	1.7
Sodium sulphate (anhydrous)	43.8
MICRO-CEL C calciumm silicate (e)	1.5

(a) Pfizer Inc. (b) Philadelphia Quartz
(c) BASF Wyandotte (d) FMC Corp.
(e) Johns-Manville

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5.62 Continued

VEL (Colgate) syndet (soap) bar had dodecyl benzene sulphonate, isopropyl naphthalene sulphonate, diamyl sulphosuccinate and glycerol fatty acid ester sulphates in its formulation.

POLYOX resin WSR-35 or 205 (Union Carbide) is an ethylene oxide polymer of high molecular weight, adding lubricity to the (soap) bar during use.

KORLAN or ET-14. 0,0 dimethyl 0-2,4,5 trichlorophenyl phosphorotioate. A product of Dow Chemical Company, this is readily soluble in most organic solvents including fly-spray base oils...(it) is generally used in a concentration of 1-2%.

TRITON X 100 is a non-ionic emulsifier, octylphenol polyethoxy (10 mol EtO) ethanol. (Rohm & Haas.)
Wool mothproofing enulsion concentrate may typically contain:

DDT	25% W/W
TRITON X 100	10% W/W
XYLENE	65% W/W

From Volume 2: Heavy-duty Household Disinfectants: (p.139) HALDOL R, a composition of 80% mono-chloroxylenols and 20% DCMX (Robert Haldane and Co.). The material is a viscous, dark-coloured fluid having a phenol coefficient of 100 to 120. CRESANTOL 16, a blend of chloroxylenols free from unchlorinated xylenol (Monsanto Chemical Co.).

Latex Paints: (p. 206) No. 201A Acrylic-Type Latex (Rohm and Haas Co.) Exterior Topcoat for Masonry and Wood:

Formulation	1lb.
mix in change-can mixer:	
TRITON CF-10	2.0
TAMOL 731 (25% solids)	9.0
Anti-foam agent	2.0
Water 79.0	
Rutile titanium dioxide	215.0
Anatase titanium dioxide	35.0
Water ground mica	30.0
Calcium carbonate	125.0
NATROSOL 250M (2% solution)	70.0
Ethylene glycol	20.0

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5.63 IARC MONOGRAPHS ON THE EVALUATION OF CARCINOGENIC RISK : CHEMICAL and INDUSTRIAL PROCESSES ASSOCIATED with CANCER in HUMANS. Vols. 7,12, 15, & 20. Lyon, France: Internatonal Agency for Research on Cancer, World Health Organization 1974-79.

TN+ING * CN * GC * SYN * MAN * CAS * (OTOL) * (OHOHS) RC 268.6 W891

Content: Since the IARC program began in 1971, 20 volumes have been published in the Monograph Series and 442 separate chemical substances have been evaluated. The chemicals are chosen on the basis of (a) evidence of human exposure (b) experimental evidence of carcinogenicity and/or evidence or suspicion of a risk to humans.

Sample Entries: (partial) From volume 7, "Some Anti-Thyroid and related substances, Nitrofurans and Industrial Chemicals": Methyl Thiouracil. Synonyms and Trade names. (Partial list) -- Chem. Abstr. No: 56-04-2 methyl thiouracil; MTU; 4-methyluracil; 6-methyl-2-thio-2,4 (1H, 3H)-pyrimidinedione. ALKIRON, ANTIBASON, BASECRIL, BASETHYRIN, METACIL, METHACIL, METHIACIL, THIOTHYRON, THYREOSTAT I, TIOTIRON. Chemical formula C_5H_6OS Mol. wt. 142.2

From Volume 12, "Some Carbamates, THiocarbamates and Carbazides": Thiram. Synonyms and trade names. (partial list)--Chem. Abstr. Reg. Serial No. 137-26-8. Chem Abstr. Name. Tetramethylthioperoxy - dicarbonic diamide; bis (dimethylthiocarbamoyl) disulphide; methyl thiram, tetrathiuram disulphide; TMTD; TMTDS. ARANSAN; CYURAM DS; EKAGOM TB; FERNASAN; HERMAL; METHYL TUADS; NOMERSAN; PANORAM 75; REZIFILM; TERSAN; TUADS: VUagt-1-4. Chemical formula $C_6H_{12}N_2S_4$ Mol. wt. 240.4

From Volume 15 "Some Fumigants, the Herbicides 2,4-D and 2,4,5-T, Chlorinated Dibenzodioxins and Miscellaneous Industrial Chemicals": 1, 2-Dibromo-3-Chloropropane. Synonyms and trade names--Chem. Abstr. Service Reg. No. 96-12-8 DBCP; FUMAZONE; NEMAFUME; NEMAGON; NEMAPAZ: NEMAZON. Chemical formula $C_3H_5Br_2Cl$ Mol wt. 236.4

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5.63 Continued

From Volume 20 "Some Halogenated Hydrocarbons": Trichloroethylene. Chem Abstr. Services Reg. No. 79-01-6. Chem. Abstr. Name: Trichloroethene. Synonyms (partial): Acetylene trichloride; ethylene trichloride; TCE: Tri; 1,1,2-trichloroethylene. Trade Names (partial): ALGYLEN, ANAMENTH, BENZINOL, BLACOSOLV, CECOLENE, CHLORYLEN, DENSINFLUAT, DOW-TRI, FLECK-FLIP, GEMALGENE, LANADIN, NARCOGEN, PERMA-A-CHLOR, TRIAD, TRI-CLENE, TRI-plus M, VITRAN. Structural formula C_2HCl_3 Mol. wt. 131.4.

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5.64 ILO GUIDE TO HEALTH AND HYGIENE IN AGRICULTURAL WORK. Geneva: International Labour Office, 1979.

TN+ING * CN * GC * SYN * CAS * (OHOHS)

Content: This book completes the triad of ILO publications intented for the protection of the agricultural worker. It follows the ILO code of practice titled "Safety and Health in AGricultural Work" and the "Guide to Safety in Agriculture".

The chapter on occupational pesticide poisonings provides trade name information on selected compounds of concern to health. International content.

Sample Entry: (p.135) Urea-, uracil- and triazine-based herbicides. (General chemical structures diagrammed). Common commercial products of this type: Urea derivatives: monuron (MONUREX, TELVAR), diuron (DI-ON, DIUREX, KARMEX, VONDURON, linuron (HOE 2810; AFALON, LOROX, SARCLEX). Uracil derivatives: bromacil (BOREA, HYVAR X, HYVAR X-L, BOROCIL lV, UROX HX or B, ISOCIL), terbacil (SINBAR). Triazine derivatives: (partial list) atrazine (AATREX, ATRANEX, GESAPRIN, PRIMATOL A), simazine (PRINCEP, PRIMATOL S, SIMANEX, GESATOP), etc.

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5.65 INDEX TO MANMADE FIBRES OF THE WORLD. - 4th ed. - Manchester, Eng.: Textile Business Press Ltd., 1973

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5.65 Continued

TN*ING * CN * GC * MAN * (OOCI) * TS 1548
.5
15

Content: Part Two of this book consists of brandname listings of fibres and yarns, including generic name definitions, names of manufacturers and countries of origin. These are generally chemically inert materials of interest mainly for their decomposition products.

Sample Entries:

ACETOCHLORINE: pvc (polyvinyl chloride)/diacetate filament, staple USSR.
CELLORAY: rayon (nitrocellulose) Hungary.
CHORENE: saran (polyvinylidene chloride). Rhovyl, France.
MTI-3: Polymethyacrylonitrile. USSR.

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5.66 Mellan, I. INDUSTRIAL PLASTICIZERS. New York: MacMillan, 1963.

TN+ING * CN * GC * SYN * MAN * (OHM-S+E) * TP
247.7
.M43

Content: This book can be used to match specific chemical names with trade names (Table 20a) and to match product names and manufacturers (Table 13). Chemical formulae are linked to trade names.

Sample Entries:
Di(iso-octyl)adipate $CH_2CH_2COOC_8H_{17}$ = DIOA, ADIPOL 1OA, HARFLEX 220, PX-208. (p.83)

Tricresyl phosphate $(CH_3C_6H_4O)_3PO$ = Tritolyl phosphate, LINDOL, KRONITEX AA, LINDOL MP, TCP. (P.205)

Butyl isodecyl phthalate = ELASTEX 40-P Di(2-ethyl hexyl) hexahydrophthalate = FLEXOL C-55. (p.46)

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5.67 Mellan, Ibert. INDUSTRIAL SOLVENTS HANDBOOK. 2nd ed. - Park Ridge, N.J.: Noyes Data Corporation, 1977.

TN+ING * CN * GC * SYN * MAN * (OHM-S+E) TP 247.5 .M42

Content: The 975 tables in this book provide basic data on the physical properties of "most solvents". Phase diagrams for multicomponent systems are included. The Table of Contents is organized by Chemical Groups, and serves also as the Index.

Through careful inspection of the Index and the text, helpful trade name information can be found among the technical specifications.

Sample entries: SHELL Environmental Conservation Solvents TOLU-SOL^{R}5 Composition %v: paraffins 85.3, naphthenes 12.7, aromatics (total) 2.0, toluene and EB 2.0. (p.73)

"FREON" Fluorinated Solvents. FREON is Du Pont's registered trademark for its fluorocarbon compounds. Pure Compound: FREON TF (Precision Cleaning Agent) 100% Trichlorotrifluoroethane. //Azeotropes with FREON TF: FREON TA (11% Acetone), FREON TE (4% Ethanol), FREON TMC (50% Methylene Chloride). //Blends with FREON T-P 35 (35% Isopropanol), FREON T-WD 602 (6% Water, 2% detergent). (p.89).

Specifications for "CHLOROTHENE/ VG" Solvent. 1-Trichloroethane minimum by weight 94.5% 1,1; total halogenated impurities maximum by volume 1.0% (p.138)

"DOWANOLS"	Chemical Name	Structural Formula
DPM-SG	Dipropylene Glycol Methyl Ether Special Grade	$CH_3OC_3H_6OC_3H_6OH$
EE	Ethylene Glycol Ethyl Ether	$C_2H_5OC_2H_4OH$
EPh	Ethylene Glycol Phenyl Ether	$C_6H_5OC_2H_4OH$

(p.137)

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5.68 Flick, E.W. INTERIOR WATER-BASED TRADE PAINT FORMULATIONS. Park Ridge, N.J.: Noyes Data Corporation, 1980.

		TP
TN+ING * CN * GC * MAN	(OTU-ENG) *	936
	(OHOHS)	F54

Content: Another of the many informative books from Noyes, this one lists 305 formulations selected from manufacturer information. Raw materials used in the composition of products are often trade-named substances themselves, but by cross-checking with the Trademarked Raw Materials index at the end of the book, one can determine the approximate chemical composition of the formulated products listed.

However, the trade names of the formulated products are not provided. Another drawback is that the index of Trademarked Raw Materials does not always give an exact chemical description; contrasting degrees of detail are shown in the sample below.

Sample Entry: AEROSOL OT-B Surfactant -- White powder containing 85% AEROSOL OT (Ester of a sulfonated dicarboxylic acid) and 15% sodium benzoate. American Cyanamid Co. (p.320).

AQUASPERSE Blue Colour Dispersion -- Series of high strength pourable colour pastes recommended for in-plant tinting. Tenneco Chemicals Inc. (p. 321).

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5.69 INTERNATIONAL FINISHING INDUSTRIES MANUAL. - 5th ed. - London: International Pinchin Johnson, 1976.

		TP 934
TN * CN * GC * MAN	(OON) *	142

Content: This manual includes a list of approximately 1,000 trade-named paint and coating products. Chemical name descriptions are generally basic not exact. Content appears to be internationally applicable, although much of it seems to be British and European.

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5.69 Continued

Sample Entries: (The names of manufacturers are indicated in brackets.)

ARKLONE:.....chlorofluorohydrocarbon solvent (ICI Ltd., Mond.)
CAD-AIR:.....cadmium solutions (T.G.S. Gray & Co. Ltd.)
CHROMONYX:.....black chromium (Harshaw CHemicals Ltd.)
FLUORONAR:.....finishes based on polyvinylidene fluoride (PVF_2) for metal cladding. (ICI Ltd. Paints Div.)
HEXAMETAPOL:...hexamethylphosphorotriamide (HMPT); selective and powerful solvent...(Pierrefitte Auby).
KENCAD:.....non-cyanide cadmium (IMASA Ltd.)
RUTIOX:.....rutile titanium dioxide pigments (Tioxide International Ltd.).

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3.70 LLOYD'S CANADIAN CHEMICAL, PHARMACEUTICAL AND PRODUCT DIRECTORY. West Hill,, Ont.: Lloyd's Publications of Canada, 1978.

TN * CN * GC * MAN * (OTOL) * RS 141.23 .L793

Content: This commercial directory has several potentially useful lists, one being a trade name product index. Another is a list of manufacturers of chemical products, chemicals, and equipment suppliers. The chemical and raw materials list in this book has names of producers, distributors, and importers in Canada. Useful mainly for manufacturer, rather than product information, but the trade name index is worth checking.

Sample Entries:

A.F. 7 (anti-foamer) - Nuodex Canada Ltd.
AZOPOL A (dyeing assistant) - Canadian Industries Ltd.
BECKOPOL (phenolated copal) - Reichhold Chemicals Ltd.
CAMEL WITE (calcium carbonate) - Pigment and Chemical Co. Ltd.

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5.71 Brady, G.S. MATERIALS HANDBOOK: AN ENCYCLOPEDIA FOR PURCHASING MANAGERS, ENGINEERS, EXECUTIVES, AND FOREMEN. - 10th ed. - New York: McGraw Hill, 1976.

TN+ING * CN * GC * SYN * MAN * (OHM-S+E) TA *403 .B75

Content: This book grew out of the need for the first US Trade Commissioner to Latin America to be able to discuss the vital characteristics of all kinds of economically-important industrial materials without involvement in details. It is a non-technical guide to basic materials. The entries are arranged by general categories of materials, such as "galvanized iron"; selected process materials and patented or trade-named products are described as examples of commercial applications.

Sample Entries: BETHCON JET-COAT of the Bethlehem Steel Co., is a high temperature hot-dip galvanized steel sheet in which the zinc is chemically combined to leave no free zinc.

SODAN of the Allied Chemical & Dye Corp., used for spraying on soils, is a clear liquid solution of sodium nitrate and ammonium nitrate containing 20% nitrogen.

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5.72 MATERIALS HANDLING MANUAL Forest Industry Industrial Health Research Program (FIIHRP). Vancouver: BC Research, 1980.

TN+ING * CN * GC * SYN * (OHOHS)

Content: Directed by a combined committee of Canadian forest industries and unionized paper workers, this is a data sheet format manual useful mainly for chemical and trade name synonyms of materials used in the forest products industry. No manufacturer information.

Sample Entry: CHLOROTHENE SOLVENT (CH_3CCl_3) Other names: AEROTHENE TT, Methyl chloroform; Methylchloroform; CHLORTEN; NCl-CO4626; Alpha-trichlorethane; 1,1,1-Trichloroethane. ...Metal cleaner and degreaser. Used in electrical service sections for cleaning motor contacts, and in machine shops.

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5.73 MATHESON GAS DATA BOOK. - 5th ed. - East Rutherford, N. J.: Matheson Gas Products, 1971.

				Ref./TP
TN+ING * CN * SYN * MAN *		(OHM-S+E)	*	243 .M42

Content: This is a compilation of 130 individual gas data sheets. The content has to do mainly with safety considerations in handling and storage. However, synonyms, chemical formulae, registered trade-mark names and manufacturer details are also included for certain gases.

Sample Entry: Trichlorofluoromethane. Synonyms: FREON - 11^R (Du Pont), GENETRON 11^R (Allied Chemical), ISOTRON 11^R (Pennsalt), UCON 11^R (Union Carbide) Formula: CCl_3F (p.541)

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5.74 McCUTCHEON'S DETERGENTS and EMULSIFIERS [North Amer. Ed.] Glen Rock, N.J. : MC Publishing, 1980.

				Lat. Ref. Ser.
TN+ING * CN * GC * MAN *		(OON) (OHOHS)	*	TP 990 D 47

Content: This book has been published since 1947 for purchasers and users of surfactants (surface-active agents). Over 4,000 of these materials are described by trade name, chemical class identity, manufacturer, concentration, type and application, from a total of 350 surfactant manufacturers.

Sample Entries:

Diamond Shamrock: AGRIMUL 70-A. Class and Formula -- alkyl aryl polyether alcohol. Concentration 100%. Type -- nonionic. Agricultural emulsifier for chlorinated hydrocarbons.

Mazer Chemicals Inc.: M-QUAT 32 Class and Formula -- octadecyl diethanol methyl ammonium chloride. Concentration 50%. Type - cationic. M-QUAT 2475. Class and Formula -- dicoco dimethyl ammonium chloride. Concentration of 75%. Type -- cationic Emulsifiers, defoamers and coagulents.

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5.74 Continued

American Cyanamid Company (Industrial Chemicals Division) Advertisement (p.1) AEROSOL[R] Surface Active Agents --

trade name	chemical name
AEROSOL OS	Sodium Diisopropyl Naphthalene Sulfonate.
AEROSOL C-61	Octadecyl-Guanidine-Amine Polyoxyethanol.
AEROSOL A-30	Cocoamidopropyl Betaine.

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5.75 McRAE'S BLUE BOOK. - 88th ed. - New York: BRP Publications, 1981.

TN * GC * MAN * (OTMCL-BUS)* 670.5
(OHOHS) M11

Content: This is an American manufacturers' catalogue similar in format to Fraser's Canadian Trade Dictionary. It is published annually in five volumes.

Volume 1 includes manufacturer details in the "Corporate Index", and a 197-page "Trade Name Index".

Sample Entries: A-31[R] Propellants (Aerosol) Petrochemicals Division, Phillips Chemical Co., Bartlesville, Ok 74004. //ABC NEOLON Tubing-Peabody ABC Corp. (American Brattice Cloth), 301 Kings Highway, Box 77, Warsaw, In 46580. //ABOCOAT Coatings-Abatron Inc., 141 Centre Dr., Gilberts, Illinois, 60136. (Trade Name Index)

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5.76 THE MERCK INDEX: AN ENCYCLOPEDIA OF CHEMICALS AND DRUGS. - 9th ed. - Rahway, N. J.: Merck & Co., 1976.

TN+ING * CN * GC * SYN * MAN * CAS * (OHOHS)

Content: This edition contains nearly 10,000 monographs, approximately 8000 structural displays or line formulas, and over 50,000 synonyms representing chemicals, drugs, pesticides and biologically active substances known." Mainly non-industrial.

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5.76 Continued

"Trivial" or simple chemical names are preferred entry headings. Registered trademarks as headings are used in limited cases.

Sample Entry (partial): 3643 Ethacrynic Acid [2,3-Dichloro-4-(2-methylene-1-oxobutyl) phenoxy] acetic acid; [2,3-dichloro-4-(2-methylene-butyryl)phenoxy] acetic acid; ...MK-595; CRINURYL; EDECRIL; EDECRIN; ENDECRIL; HYDROMEDIN; REOMAX; UREGIT.
$C_{13}H_{12}Cl_2O_4$; mol. wt. 303.15.
C 51.51%, H 3.99%, Cl 23.39%, O 21.11%...sparingly sol. in water, aqueous acids; soluble in chloroform...Sodium salt $C_{13}H_{11}Cl_2NaO_4$, ethacrynate sodium, LYOVAC SODIUM EDECRIN. (trademark of derivative).

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5.77 METAL FINISHING 49th GUIDEBOOK-DIRECTORY. - Vol. 79, No. 1A. - Hackensack, N. J.: Metals and Plastics Publications, 1981.

TN * CN * GC * MAN * (OON) * Ref. Ser. TS 203 M581

Content: This book has information on mechanical surface preparations including abrasives, and on chemical surface preparations including solvents, descaling baths, and pickling acids. The 24-page trade names list includes only the most basic chemical information, but some may not be found elsewhere due to the specialized nature of the content.

Sample Entries:

ALKAD: cyanide cadmium for rack and barrel plating. (M.L. Alkan Ltd.)
ALUTONE: liquid non-chromated aluminum desmutter. (BASF Wyandotte Corp.)
ARGATECT: cyanide-free silver bath. (Schering HG.)
BLACK GARD: black oxide coating (Nelson Chemicals).
SUNBURST: acid cyanocitrate gold bath. (Smith Precious Metals Co.)

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5.78 Ross, R.B. METALLIC MATERIALS SPECIFICATION HANDBOOK. - 3rd ed. - London: E. & F.N. Spon, 1980

		Ref./TA
TN+ING * CN * MAN *	(OTU-ENG)*	459 .R65

Content: This book can be used to find the ingredients and properties of a symbol representing a trade name. All the forms under which an alloy might be used have been included. Synonyms are clearly indentified and abbreviations explained.

Appendix 1 lists suppliers and associations, and Appendix 2 lists trade names, chemical composition, and suppliers.

Sample Entries: (Metal names are "symbolized" in percent composition lists-eg. Ni = Nickel):

25 Ni & V.....0.2%C 19%Cr 25%Ni 11%W 1.2%Nb 3%V 2%Fe Co alloy; General Electric Co.

CO-ELINVAR.....10%Cr 30%Fe Co alloy; Cobalt Information Centre

INCOMAG Z.....15%Mg 30%Se Ni alloy: for cast iron additions; International Nickel Co. (formerly Alloy Z)

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5.79 Johnson, J.C. METALLOCENE TECHNOLOGY. - Chemical Technology Review No. 11. - Park Ridge, N.J.: Noyes Data Corp., 1973.

		TP
TN * CN * GC * SYN * ING * MAN *	(OHM-S+E)*	248 .M45J63

Content: The detailed information in this book is based on U.S. patents since 1954 relating to the processing and application of metallocenes. Little obvious trade name product identification is found; however, detailed composition information is provided with each patent listing. Careful cross-checking of product descriptions in other publications may provide useful clues.

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5.79 Continued

Sample Entry (partial): Curing Agents for Epoxy Resins. U.S. PATENT 3,705,129...assigned to Hitachi, Ltd., and Hitachi Chemical Company Ltd., Japan.
Example 1: composition 1 - 100 parts by weight of UNOX-201 (a thermosetting epoxy resin having a main ingredient of 3,4-epoxy-6-methylcyclohexylmethyl-3,4 -epoxy-6-methylcyclohexane carboxylate), 60 parts by weight of "Methyl Hymic Anhydride", referred to herein as MHA_C (a trade name for methyl endomethylene tetrahydrophthalic anhydride), and 0.01 mol of ferrocene were homogeneously mixed with each other. (p.253)

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5.80 MODERN PLASTICS ENCYCLOPEDIA.-Vol.57, No.10A;- New York: McGraw Hill, 1980.

					Ref./TP
TN+ING *	CN *	SYN *	MAN *	(OHM-S+E) *	986
				(OHOHS)	.A1M68

Content: This is primarily a general description type of encyclopedia with little obvious ingredient information. However, there are plenty of useful trade name, manufacturer and chemical name details to be found.

Organized into four colour-coded parts, the book provides trade name details mainly in the Chemical/Additives section of the Engineering Data Bank, as well as in the suppliers' advertising inserts.

Sample Entries: (partial)

Commerical Organic Foaming Agents: (p.202)

Chemical	Trade Name	Supplier
Azoalkene	LUCEL	Lucidol Div.Pennwalt
TSH	CELOGEN TSH	Uniroyal Chem. Div.
5-Phenyltetrazole	EXPANDEX 5PT	Haake Inc.
DNPT	OPEX	Polychem Dept. Stepan Chem. Co.

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5.80 Continued

Free Radical Initiators: Commerical form: Benzoyl peroxide - granular, wet. Supplier: Reichold. Trade Name and Designation: SUPEROX 717, 78% (22% water); SUPEROX 718, 70% (30% water). (p.687).

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5.81 Packer, K. comp. & ed. NANOGEN INDEX: A DICTIONARY OF PESTICIDES AND CHEMICAL POLLUTANTS. December 1980 Update. Freedom, California: Nanogens International, 1975.

TN+ING * CN * GC * SYN * (OHOHS)

Content: This "dictionary of economic poisons" provides approved names, chemical descriptions, structural formulae, trade names and synonyms for 10,000 alphabetically-listed chemicals. Russian, French and many Italian official names are included. Each chemical is identified by a unique three-letter code. Trade names are found in the columns headed "Common Name" and "Other Names". The "Alphabetical Reference Index" contains alternative names for each chemical listed. Trademarked names are clearly indicated by the TM symbol.

Sample Entry: (partial)

Code:	-	IST (p.155)
Common Name:	-	isonicotinyl hydrazide; isoniazid, INH
Chemical Names:	-	isonicotinic acid hydrazide; isonicotinoyl hydrazine
Details:	-	antituberculous agent; used as feed additive for animals
Other Names:	-	(69 total), ATCOTIBINE,CEDIN, COTINAZIN, DINACRIN, DITUBIN, ERTUBAN,HYCOZID, ETC.

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5.82 Wood, D., ed. NEW TRADE NAMES. Detroit: Gale Research Company, 1981.

TN * GC * MAN * (OHOHS)

Content: This issue is intended to supplement, and be used in conjunction with the Trade Names Dictionary , Second Edition. NTN-81 lists over 23,000 trade names and company names. The Company Index section is incorporated into a supplement in the same book.

Trade names catalogued here have been selected from "available published sources" and "do not necessarily represent all products of a particular company". In the case of some industrial products the preceeding remark must be considered a definite understatement.

Sample Entry: ABLON - Lacquers, enamel, thinners, etc. - Ablon Finishes Inc.

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5.83 NIOSH NATIONAL OCCUPATIONAL HAZARD SURVEY: "Trade Names with Carcinogen Hazards" List. Rockville, Md.: National Institute for Occupational Safety and Health, 1977.

TN+ING * CN * GC * MAN * (OTOL)* RC 268.6 Un38

Content: This list is a computer print-out of 265 products, identified during the N.O.H. Survey, which contains an OSHA-regulated carcinogen for which the manufacturer did not give a trade secret designation. The composition of approximately one-third of the 411 products originally listed has been designated as a trade secret by the manufacturer.

This list contains information on the composition of the trade name products between 1972 and 1974. It is not known whether the products are still being produced or whether their composition has changed.

Sample Entries: Product: ARMSTRONG EPOXY RESIN A-6 and ACTIVATOR. Hazard: asbestos. Percentage of hazard in product: 23. Product manufacturer. 0148850. (Cross-referenced to name and address of company in "Product Manufacturer Code References" list.)

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5.84 OPD CHEMICAL BUYERS DIRECTORY. - 68th ed. - New York: Schnell Publishing Company, 1980.

TN * CN * GC * MAN *	(OH-BUS) * (OHOHS)	R660 02573 BUS

Content: Appears once a year with annual subscription to Chemical Marketing Reporter. weekly.

Part 1 - Chemicals and Related Products contains 12,946 entries. Example: under 'Pentachlorophenol' there are nine producer companies listed. Entries are by chemical name, not trade name.

Common chemical terms like 'Penetrating oil' are interspersed with more exact chemical names like 'Pentabromophenol-allyl-ether'. In some cases, only one company makes a particular chemical compound; this is potentially useful information. Covers industrial, agricultural, and pharmaceutical products.

Part 2 - Chemicals Supplier Index lists 1,724 company names, addresses and telephone numbers, cross-referenced to company ads in the directory.

Includes the occasional advertisement which indicates trade names.

Sample Ad Content: GLAZD^{R} PENTA (Technical Grade) Pentachlorophenol. Agricultural Chemicals. Vulcan Materials Company. Chemicals Division. P.O. Box 7689 Birmingham, Al. 35253.

-- * --

5.85 PACKAGE ENGINEERING: ANNUAL BUYERS GUIDE. - 1980-81 ed. - Chicago: Cahners, 1980

TN * GC * MAN *	(OTMCL-BUS) *	R 338.47

Content: This specialty guide includes a packaging materials index and a trade name index. Product descriptions are general.

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5.85 Continued

Sample Entries: From the Trade Name Index:

A-C (polyethylene wax) Allied Chemical Co.
A-FAX (amorphous polypropylene) Hercules Inc.
ACLAR (fluorocarbon film) National Plastics
ADMIRAL II (Carton former adhesive) Kliklok Corp.
ADSORBIT (activated carbon) Barnebey-Cheney.
PERFLEX 50 and 60 SERIES (shrink polyvinylidene chloride) Union Carbide Corp. Films Div.
PETPAC (polyethylene terephthalate) Celanese
PLIDAX (sealant paste for threaded joints) Chemplast.

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5.86 PAINT RED BOOK. - 12th ed. - Atlanta, Ga.: Communication Channels Inc. 1980.

		Lat. Ref.
TN * CN * GC * MAN *	(OON)*	TP934.5 P14

Content: Described by itself as a "comprehensive directory of formulators and suppliers to the coatings industry ", this book includes a useful North American brand names index and many informative advertisements. However very few chemical ingredient details are given in the main text.

Sample Entries:

BATES BOOTHCOATING No. 4: Upson Chemical Corp. BENTOLITE: Frazee Paint. BLENDZ-ALL COLOUR BLENDING SOLVENT: Grow Chemical Coatings Corp.

HYCAR^{R} Reactive Liquid Polymers (BF Goodrich Chemical Group advertisement):
1300x8 (CTBN): carboxyl-terminated polybutadiene/acrylonitrile; bound acrylonitrile content of 17.0%.

1300x24 (VTBNX): Vinyl-terminated polybutadiene/acrylonitrile with additional random groups; 48-52% polymer solids in styrene monomer.

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5.87 Wiswesser, W.J., ed. PESTICIDE INDEX. - 5th ed. - College Park, Md.: Entomological Society of America, 1976.

TN+ING	* CN *	GC *	SYN *	MAN *	CAS *	(OHM-S+E)	SB *951 .P43

Content: Listing of pesticides by grade or trade designation; registered names are indicated by an asterisk. Producer companies are sometimes indicated. Structural and molecular formulae are given but ingredients by percentage are not.

Sample Entry: (partial) HERCULES - 3895 CAS#: 2667-40-5 Molecular formula: C10 H21 04 P S2 Molecular weight: 300.38 Structural formula: $(C_2H_5\text{-}S)_2\text{-}C\text{=}CH\text{-}O\text{-}PO.(O\text{-}C_2H_5)_2$ Use: insecticide, systemic.

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5.88 Martin, H. and Worthing, C., eds. PESTICIDE MANUAL. - 5th ed. - England: British Crop Protection Council. 1977.

TN+ING	* CN *	GC *	SYN *	MAN *	CAS *	(OTOL) (OHOHS)	Ref/SB *951 B77

Content: Subtitled "Basic Information on the Chemicals used as Active Components of Pesticides", this book was produced with the intention of securing the basic trade names of all major herbicides available at the time of publication.

All physical and chemical data refer to the active ingredient. The 1969 rules of the International Union of Pure and Applied Chemistry (IUPAC) have been used to devise the preferred chemical names.

Sample Entry: DICLORAN $C_6H_4Cl_2N_2O_2$ (207.0) is the common name approved by BSI, JMAF use CNA, for 2,6-dichloro-4, nitroaniline (I) in C.A. usage 2, 6-dichloro-4-nitrobenzenamine (II) (99-30-9) formerly (I)... It was introduced in 1959 by the Boots Company

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5.88 Continued

Ltd. under the code number RD 6584, trade mark "ALLISAN" and the protection of BP 845,916. The trade mark "BOTRAN" is registered by the Upjohn Company. Made by the direct chlorination of 4-nitroaniline... The main formulations are wp's (500 and 750 g a.i. /kg.); dusts (40 to 80 g a.i./kg.); flowable powder (500 g a.i./kg).

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5.89 Sittig, M. PHARMACEUTICAL MANUFACTURING ENCYCLOPEDIA Park Ridge, N. J.: Noyes Data Corporation, 1979.

TN+ING * CN * GC * SYN * MAN *	(OHM-S+E) *	RS 51 .S56

Content: This book details the manufacturing processes of 673 major pharmaceuticals, with information obtained from patent literature. It includes an index of raw materials, and drugs for whose manufacturer they may be used.

The contents are arranged alphabetically by generic name of the drug, and indexed by trade names. "Country of manufacture" and "year of introduction" information is provided.

Sample Entry: (partial) RESERPINE - antihypertensive; common name - 3,4,5 - trimethoxybenzol methyl reserpate; trade names and manufacturers - SERPASIL (Ciba), RAU-SED (Squibb), RESERPOID (Upjohn) SANDRIL (Lilly), SERPANDRAY (Panray), SERTABS (Table Rock), LEMISERP (Lemmon).

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5.90 PLASTICIZERS: GUIDEBOOK AND DIRECTORY. Park Ridge, N. J.: Noyes Data Corporation, 1972.

TN+ING * CN * GC * MAN *	(OHM-S+E) *	Ref./TP 247.7 .PE

Content: Intended as a guide to U.S. manufacturers with standard product lines, this book contains information taken directly from suppliers' data sheets and technical bulletins. This is one of three volume in the Noyes Blue Book Series.

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5.90 Continued

Sample Entries:
Union Camp--UNIFLEX TCTM (Tricapryl Tri-mellitate)...a primary monomenic plasticizer ...for use in polyvinyl chloride resins and copolymers...(octyl type ester.)

Akron Chemical--PLASTICIZER LP
Chemical Composition: Asphaltenes - none. Nitrogen Base - 2. First acidaffins - 17. Second acidaffins - 63. Paraffins - 18. Gel Aromatics - 82.

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5.91 THE PLASTICS DIRECTORY of CANADA for 1970-71. Don Mills, Ont.: Southam Business Publications, Canadian Plastics Magazine, 1970.

HD 9661
TN * CN * GC * MAN * (OOCI)* .C2

Content: Several thousand trade names for materials equipment and products are listed in the trade names index of this guidebook; however, no exact chemical composition information is provided. The advertisements can be informative.

Sample Entries:

ACPOZYETHYLENE: low molecular weight polyethylene (Allied Chemical and Plastics).
ACRYLITE: methyl methacrylate (Cyanamid of Canada Ltd).
AIREX: rigid and soft PVC foam closed cell (Rohm & Haas).
AMPOL: cellulose acetate (American Polymers Corp.)
BEEPO: benzoyl peroxides (Chinook Chemical Eastern Ltd.)

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5.92 PLASTICS TECHNOLOGY: CHEMICALS and ADDITIVES [Special Issue]. - Vol. 27, No. 8. - U.S.: A Bill Publication, July 1981.

TN+ING * CN * GC * MAN * (OTMCL-S&T)*Ref. Per. Display

Content: The main text of this publication is general; it is concerned with new processes, products, and economic or regulatory forecasts. The advertisements are often informative although no ingredient details give exact proportions.

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5.92 Continued

Sample Entries: Eastman Chemicals for the Plastics Industry (Advertisement p. 136) --

KODAFLEX^{R} Plasticizers:
DMEP = Di-(2-Methoxyethyl) Phthalate
TXIB = 2, 2, 4-Trimethylpentanediol - 1,3, Diisobutyrate
TOTM = Tris-(2-Ethylhexyl) Trimellitate
HS-3 = Butyl Octyl Phthalate

Evans Chemetics W.R. Grace & Co. (Advertisement p.125) --
EVANSTAB^{R} 12 = Dilauryl Thiodipropionate
EVANSTAB^{R} 13 = Di(Tridecyl Thiodipropionate and Thiodipropionic Acid).

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5.93 PLASTICS TECHNOLOGY MANUFACTURING HANDBOOK AND BUYERS' GUIDE. - Vol. 26, No. 6 - U.S.: a Bill Publication, 1980.

TN * CN * GC * SYN * MAN * (OON)* Ref. Ser. TP 986 P72

Content: Both the content and the advertisements in this guide offer useful details. The Materials and Additives Trade Name Index provides only basic chemical names, however, not exact composition details.

Sample Entries:

BLUE STAR: Antimony oxide (Harshaw).
CAMEL-TEX: calcium carbonate (Flintkote Stone Products).
CONDUCTEX: carbon black (Columbian Chemical)
CYMEL: melamine (American Cyanamid Co.)
DELRIN: acetal (DuPont Co.)
FIREBRAKE ZB: zinc borate (U.S. Borax and Chemical Corp.)
KAMAX: polyaliphatic imide (Rohm and Haas.) (above from the M & A TN Index)

SAYTECH Inc. (Advertisement) Flame Retardants:
SAYTEX 102 (decabromodiphenyl oxide).
SAYTEX 105 (pentabromoethylbenzene).
SAYTEX BCL-462 (dibromoethyldibromocyclohexane).

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Hamilton, Ontario, Canada L8N 1H6

5.94 PLASTICS WORLD 1981 PLASTICS DIRECTORY. - Vol. 39, No. 3. - Chicago: Cahners Publishing Company, 1981.

TN+ING * CN * GC * MAN * (OTMCL-S+T)* Ref. Display)

Content: This guide has a 2,000-name index of trade names with basic product descriptions. The advertisements are generally more informative for ingredient details.

Sample Entries: Lucidol Div. Pennwalt Corporation (Advertisement)

	product	brand	form
1)	Diacyl peroxides		
	Benzoyl-dry	LUCIDOL^{R}98	(solid)
	Benzoyl-55% non-	LUPERCO ANS	(paste)
	separating Lauroyl	ALPEROX^{R}-F	(flakes)
2)	Ketone Peroxides		
	MEK peroxide	LUPERSOL^{R}DDM	(liquid)
	2,4 Pentandione	LUPERSOL 224	(liquid)
	Fire Resistant-MEKP	LUPERSOL DFR	(liquid)
3)	Peroxydicarbonates		
	Di(n-propyl)	LUPERSOL^{R} 221	(liquid)
	Diisopropyl	LUPERSOL IPP	(solid)

From Trade Names Section: --
ALSIBRONZ: wet ground muscovite mica (Franklin Mineral Products Co.)
AMPOL: cellulose acetate and cellulose acetate butyrate (American Polymers, Inc.)
BA-50: tetrabromobisphenol a ethoxylate (Great Lakes Chemical Corp.)
BURGESS CB: silane treated calcined clay (Burgess Pigment Co.)
CD-75: hexabromocyclododelane (Great Lakes Chemical Corp.)

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5.95 PLASTICS WORLD SUPPLIERS REFERENCE FILE. Boston: Cahners Publishing Company, 1979.

TN * GC * MAN * (OTMCL-BUS) * DIR 338,47668 P47

Content: Trade Names List short; gives only basic information. Industry ads sometimes provide formulation details.

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5.95 Continued

Sample Entries: ADMEX (specialty plasticizers) Ashland Chemical Co. Division of Ashland Oil.

PP CONC. 3 (Polypropylene) 7 parts resin to 1 part Concentrate. - flame retardant concentrates. Monmouth Plastics Inc.

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5.96 POLYMER ADDITIVES GUIDEBOOK AND DIRECTORY. Park Ridge, N. J.: Noyes Data Corporation, 1972.

TN+ING * CN * GC * MAN * (OHM-S+E) * Ref./TP 1130 .N68

Content: This book lists the products of 86 U.S. manufacturers arranged by company name. An alphabetical index includes each product by chemical name, generic name, or trade name. Most entries provide ingredient details, but some offer only general non-chemical descriptions written to promote the product.

Sample Entry: THERMOFLEX^{R} A. Rubber Antioxidant and Antiozonant. Chemical composition: -- (p.182)
50% Phenyl-beta-naphthyl-amine
25% 4,4' - Dimethoxydiphenylamine
25% N,N' - Diphenyl-para-phenylene-diamine. Dupont Co.

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5.97 POLYOLEFIN RESINS: GUIDEBOOK AND DIRECTORY. Park Ridge, N. J.: Noyes Data Corporation, 1972.

TN+ING * CN * MAN * (OHM-S+E) * Ref./TP 1180 .P67N68

Content: This is the third volume in the Noyes 1972 Blue Book Series. It describes the higher molecular weight polymers of ethylene and propylene. It attempts to provide a complete listing of commercially available standardized resins from U.S. producers.

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5.97 Continued

Sample Entry: USI Company --
(a) MICROTHENE^{R}MU 763. Powdered Ethylene - Vinyl Acetate Copolymer. Particle size 35 mesh.
(b) MULTIFILM^{R} - 18. Low-density Polyethylene and Copolymer (EVA).

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5.98 POST'S PULP and PAPER DIRECTORY. - 1979 ed. - San Francisco: Miller Freeman Publications, 1979

TN * CN * GC * MAN * (OON)* Lat. Ref. TS 1088 P857

Content: This guide to North American pulp and paper mills and equipment is a companion publication to three international pulp and paper publications. It includes a directory of trade names which provides general chemical names, product descriptions and manufacturers, but no complete ingredient information.

Sample Entries:

AERO^{R}: dicyanimide, melamine, sodium ferrocyanide, depressants, xanthates, promoters, American Cyanamid Co., Industrial Chem. and Plastics Div.
AGC -2: aluminum complex grease, DuBois Chemicals.
AMASOL^{R}: acid 1:1 premetallized dyes, American Colour and Chemical Corp.
MAGNUS 61CK: caustic system cleaner and ink stripper, Economics Laboratory Inc., Magnus Div.
MAPICO^{R}: iron oxide, Cities Service Co., Columbian Div.
QUACORR^{R}: furan resin for fiberglass reinforced plastic equipment, Quaker Oats Co., Chemicals Div.

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5.99 PULP AND PAPER BUYERS GUIDE. - Vol. 54, no. 12, - San Francisco: Miller Freeman Publications, 1980.

TN+ING * CN * GC * MAN * (OTMCL-BUS)* DIR 338.47676 P17

CCOHS/CCHST
250 Main Street E./250 rue Main est.
Hamilton, Ontario, Canada L8N 1H6

5.99 Continued

Content: Many general descriptions of trade name products, both registered and unregistered, used in the pulp and paper industry. Ingredient information not exact. Advertisements have useful trade name product descriptions.

Sample Entries: ACRYSOL^{R} - Thickening agent and viscosity stabilizer, Rohm and Haas Company. Details from advertisement: (Alkali-soluble carboxylated acrylic polymer).(p. 233)

DYLEX 1200 - Alkali-responsive styrene butadiene. Paper/board coating. Polysar Ltd.(p. 41)

FIBRENIER - Chemical cellulose grade pulp, prehydrolyzed braft pulp...ITT Rayonier. Jessup, Georgia. (p. 41)

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5.100 RAPRA (Rubber and Plastics Research Assn. of Great Britain) NEW TRADE NAMES. Shawbury, England: RAPRA, 1967-68.

TN+ING * CN * GC * MAN * (OOCI)* Ref. T257 .C2 R82

Content: Although this book is British in origin, it appears to be useful for products made by North American as well as European and Japanese manufacturers. While the details may be out-of-date, some fairly specific chemical descriptions are provided.

Sample Entries:

BUTAKON LATEX ML 506: Carboxylated butadiene/methyl methacrylate copolymer latex; ... Imperial Chemical Industries Ltd., Technical Service Note B108.

D.E.H. 50: methylene dianiline; aromatic polyamine epoxy curing agent ... Dow Chemical Co., Michigan.

IOMOX 100: 4 hydroxymethyl-2, 6-di-tert-butylphenol; an antioxidant, odourless white crystalline powder. Shell Chemical Co. London.

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5.100 Continued

SANTOCURE MOR: N-oxydiethylene benzothiazole sulphenamide; accelerator; Monsanto Chemical Co. (Polysar Butyl Handbook, Polymer Corp. Ltd., Sarnia, 1966, P.464).

TRIGONOX X-39: Bis (o-(carbo-2-ethylhexoxy) benzoyl) peroxide; liquid diacyl ... Novadel Ltd., London. (Chem. Processing, XIII, No. 6, June 1967, supplement.)

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5.101 RAPRA THESAURUS: TRADE NAMES AND COMPANY NAMES. - London Letter File Ref. No. 23331. - London: Rubber and Plastics Research Association, 1980.

TN * CG * MAN * (OHOHS)

Content: Listing of all the subject terms used to index the RAPRA database since 1972. Synony groups are not linked. This listing is simply an alphabetic guide to help the searcher select all likely terms before going online. Each word is given one of two letter codes in the "Word Column" -- "D" terms are trade names of polymers, machines, etc. "B" terms are the entries for company and corporate names.

Sample Entries: "D" terms - ACLAR; ACME 5151 (epoxy resin potting compound); ACMOS BARRIER COAT DUR (mould release agent); ACMOS PARTING SPRAY 5 (antistick agent); ACORAL, ACOUSTAZIP (sound insulation).

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5.102 Lewis, R. and R. Tatken, eds. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES. (RTECS). - 1979 ed. - Cincinatti, Ohio: NIOSH, 1980.

TN+ING * CN * GC * SYN * CAS * (OHOHS)

Content: Published in two volumes. All substance names and synonyms listed in alphabetical order. Each synonym cross-referenced to prime name accession number.

The prime name of each substance in the Registry is derived from the nomenclature used by the American Chemical Society's Chemical Abstracts Service (CAS).

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5.102 Continued

The 1979 Registry contains 5,300 new substances and 8,700 new toxicity data lines. The RTECS file is continuously updated. As of the 1979 publication date September 1980, a total of 39,221 substances were listed.

Sample Entry Acrylonitrile, Polymer with 1,3,- Butadiene and Styrene. Synonyms: (small sample from list of about 240 syns.) ABSINOL, ABS RESIN, BAKELITE, BLENDEX, CYCOLAC, KRALASTIC, LUSTRAN, NOVADUR, REXENE, STYLAC, TUFREX.

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5.103 RUBBER RED BOOK 1981 - 33rd ed. - Atlanta, Ga.: Communication Channels Inc., 1981.

		Lat. Ref. Ser.
TN+ING * CN * GC * MAN *	(OON)*	TS 1877
	(OHOHS)	R89

Content: This is a "directory of the rubber industry". The section titled "Rubber Chemicals and Compounding Materials" lists trade and brand names. Some entries give specific chemical ingredients, others give only general category of product. Synthetic and reclaimed rubber products are indentified in separate lists. Includes extensive manufacturer and supplier details; list of rubber producers in Canada, and informative advertisements.

Sample Entries:

ADIMOLL DB: dibutyl-adipate; plasticizer; Bayer AG.
AGERITE GELTROL: phenolic antioxidant; R.T. Vanderbilt Co. Inc.
AKROSPERSE HEXA MB: dispersion of hexamethylene tetramine; accelerator; Akron Chemical Co.
ANTO$_3$F: phenyl, octyl-p-phenylene diamine; antiozonant; Pennwalt Corp., Organic Chemicals Div.
ARQUAD 2C-75: dimethyldicocoammonium chloride; latex foaming agent; Armak Co., Industrial Chemicals Division.
ARNBREN CP: chlorinated paraffin hydrocarbon with approx. 72% chlorine; flame retardant; Mobay Chemical Corp.

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5.104 Ranney, M. SILICONES. - Vols. 1 and 2. - Park Ridge, N.J.: Noyes Data Corporation, 1977.

TN+ING * CN * GC * MAN * (OHM-S+E)* TP 248 .S5R36

Content: The information in this book is based on US Patents issued since 1970, which relate to the technology of silicones. The first volume covers the technology of silicone rubbers, electrical molding resins, and functional fluids based on silicones. The second volume covers the technology of coatings, printing inks, cellular plastics, textiles, and consumer products. The Table of Contents is organized as an Index.

Sample Entry: From Vol. 1: Silicone fluids useful in the process (described by A.D. Britt, U.S. Patent 3,720,611; March 13, 1973; assigned to the U.S. Secretary of the Navy)...are of the organopolysiloxane type such as DOW CORNING 200, 510, and 550. These compounds are methyl and methylphenyl polysiloxanes which are thermally stabilized by increasing the degree of phenylation. DOW CORNING 200 has no phenyl groups attached to the silicon atom, whereas the percent molar ratio of methylphenyl groups to dimethyl groups for DOW CORNING 510 is 10% and for DOW CORNING 550 is 70%. (p. 294)

From Vol. 2: Textile Applications. DC-473 (Dow Chemical) is a polyoxypropylene polymethlsiloxane. //PLURONIC F38 is a polyoxyethylene polyoxypropylene glycol.//AVITONE A is a sodium alkylsulfonate. (p.237)

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5.105 SOCMA (Synthetic Organic Chemical Manufacturers Association) HANDBOOK: COMMERCIAL ORGANIC CHEMICAL NAMES. Columbus, Ohio: Chemical Abstracts Service, American Chemical Society, 1965.

TN * CN * SYN * ING * CAS * (OTU-S+M) QD 291 * .S9

Content: Most of the raw material for this handbook was gathered from questionnaires sent to nearly 1,000 manufacturers of organic chemicals, and from the 1960 U.S. Tariff Commission Report on Synthetic Organic Chemicals. Despite this fact, this book offers no manufacturer details linking trade name products to specific companies.

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5.105 Continued

Aside from this omission, the book appears to be valuable. It provides the chemical composition or structure of 6,300 industrial organic compounds, as well as the structure of the principal component of 650 mixtures or polymers. Mixtures listed in the book are plastics and resins, rubber processing chemicals, elastomers and surface-active agents.

The Index of Pure Compounds in Part 1 and the text of Pure Compounds in Part 3 can be usefully cross-referenced by trade name (registered or not), and by chemical name.

Sample Entry: 1-Hexadecanol C_{16} H_{34} O, CH_3 $(CH_2)_{14}$ CH_2 OH: Additional chemical and trade names for the compound or its derivatives --

Cetyl alcohol
Cetylic alcohol
Palmityl alcohol
ALDOL^R 52
Alcohol C-16
DYTOL^R F-11
Ethal
ETHOL^R
LOROL^R 24

(From Part 3, Text of Pure Compounds, p. 164)

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5.106 Flick, E.W. SOLVENT-BASED PAINT FORMULATIONS. Park Ridge, N. J.: Noyes Data Corporation, 1977.

TN+ING * CN * GC * MAN *	(OTU-ENG)*	Ref./TP 935 .F618

Content: The product formulations included in this book were supplied by 35 U.S. chemical companies. Both the individual product composition notes and the Trademarked Raw Materials index contain ingredient, manufacturer and tradename details, making this book one of the most explicit and informative sources in this bibliography.

Sample Entries: DURAMAC 2712 ... Formula P-109. McWhorter Chemicals Co., Division of Commercial Solvents Corp. -- Exterior Flat Tint Base Paint (Alkyd). (p.42)

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5.106 Continued

Raw Materials	Pounds	Gallons
1. Titanox 2061 Rutile Titanium Dioxide	200.0	5.7
2. Duramite Calcium Carbonate	300.0	13.5
3. Mica (Water-Ground)	25.0	1.0
4. Celite 281 Diatomaceous Silica	50.0	2.6
5. Chlorowax 70 Chlorinated Paraffin	56.0	4.2
6. Bentone 34 Gellant (10% Gel)	40.0	6.0
7. Duramac 2712 Alkyd Resin Solution	420.0	58.3
8. Mineral Spirits	60.0	9.4
9. Cobalt Drier (6% Cobalt)	2.0	0.2
10. Zirco Catalyst (6% Zirconium)	5.0	0.5
11. Exkin No. 2 Antiskinning Agent	1.0	0.1
12. Phenylmercuric Oleate (10% Mercury)	15.0	2.0
	1174.0	103.5

AROFLINT 252-MA1-60. Polyester Resin Solution -- 60% solids in 85% mineral spirits and 15% ethylene glycol monoethyl ether acetate. Ashland Chemical Co. (p. 423).

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5.107 Marsden, C. SOLVENTS GUIDE.. - 2nd ed. London: Cleaver-Hume Press, 1963.

TP/Ref.
TN+ING * CN * GC * SYN * MAN * (OHM-S+E) 247.5
.M3

Content: This is an alphabetical listing with brief descriptions of solvents, including chemical formulae, synonyms, trade names, and international manufacturer information.

Sample Entries (partial): ßß' - Dichloroethyl Ether $ClCH_2CH_2OCH_2CH_2Cl$ Chloroethyl ether, "CHLOREX", "BETACHLOR". Manufacturers: U.S. - Jefferson, Olin Mathieson, Union Carbide, Wyandotte. (p.184)

SOLVENT 901-H: a proprietary blended solvent containing 75 per cent of hexyl alcohols and 25 per cent of amyl alcohols for use as a high-boiling ingredient for lacquers and thinners. Manufacturers: Canadian Chemical Co., Celanese Corp. of America. (p.499)

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5.108 Durrans, T. SOLVENTS. - 8th ed. Rev. by E. Davies. - London: Chapman and Hall, 1971.

TN+ING * CN * GC * SYN * (OHM-S+E) * TP 247.5 .D8

Content: The first part of the book deals with scientific fundamentals, the second part with individual solvents used in the cellulose-lacquer industry. It includes an appendix of trade names and corresponding chemical names. Unfortunately, no producer name details are provided.

Sample Entries: Tetrahydronaphthalene: known commercially under the trade-mark "TETRALIN", this is a product obtained by the partial catalytic hydrogenation of naphthalene...(this) is an aromatic cycloaliphatic hydrocarbon. (p. 194)

Trichloroethylene $CHCl=CCl_2$: a clear, almost colourless liquid with a chloroform-like odour. Commercially it is known as "TRIKLONE" (for industrial uses) or "TRILENE" (as an anaesthetic in childbirth). (p. 194)

Appendix I:(p. 239) Trade names (a sample)--ANSOL ML (Ethyl alcohol 85%, ethyl acetate 6%, butanol 3%, and benzol 6%).//CENTRALITE 4 (Ethylphenyl ethyl-o-toluidine urea).//DIATOL (Diethyl carbonate 90%).//HALOWAX 4001 B2 (Chlorinated hydrocarbons).

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5.109 Hollis, G., ed. SURFACTANTS UK. Darlington, Eng.: Tergo-Data, 1976

TN+ING * CN * GC * MAN * (OON)* Ref. QD 506 S 971

Content: This catalogue of surface active agents available in the United Kingdom appears to contain information of international interest. It includes a product list offering general chemical descriptions of trade name substances, as well as an alphabetical cross-referenced trade names index.

Sample Entries:

EMPIGEN (Amphoteric) $R-N^+(CH_3)_2-CH_2COO$ - 30% active. Albright and Wilson Ltd.

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5.109 Continued

TRITON (QS-15): An oxyethylated sodium salt. Rohm and Haas (UK) Ltd.

PETRONATE (L): Sodium (cation), oleophilic alkylaurl petroleum sulphonate (anion), 62% active. Witco Chemical Ltd.

COLLONE (N1) (Alcohol ethoxylate): Nonionic fatty alcohol blend (Cetomacrogol emulisifying max B.P.) A.B.M. Chemicals Ltd.

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5.110 Fairchild, E.J. SUSPECTED CARCINOGENS. Cincinatti, Ohio: NIOSH, 1978

TN+ING * CN * SYN * CAS * (OHOHS)

Content: Includes substances selected from the 1976 USA Registry of Toxic Effects of Chemical Substances -- "all known toxic substances that exhibit neoplastigenic or carcinogenic activity". (According to Fairchild, a neoplastigen is "a substance that produces a benign tumour, a tumour that cannot be definitely classified as carcinogenic, or tumours produced in a study where the results are equivocal because of poor study design."

Excluded from the publication are "trade name products representing compounded or formulated proprietary mixtures available as commercial products". Trade names are included where they represent a "single active chemical identity".

Sample Entry: Magnetite. CAS: 001309382 MW: 231.5 MOLFM: 04-Fe3 SYN: 11557 BLACK * BLACK GOLD F-89 * BLACK IRON OXIDE * BLACK OXIDE * BROWN OXIDES of IRON* C.I. PIGMENT BLACK 11 * IRON BLACK * MAGNETIC BLACK* MAGNETIC IRON OXIDE * MAGNETIC OXIDE * MAPICO BLACK * MICACEOUS IRON ORE * MICACEOUS IRON OXIDES * SYNTHETIC BLACK IRON OXIDE.

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5.111 TEXTILE CHEMIST AND COLORIST BUYER'S GUIDE. - Vol. 11, No. 7A. - Research Triangle Park, N. C.: American Association of Textile Chemists and Colorists, 1979.

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5.111 Continued

TN * CN * GC * MAN * (OON) Lat. Ref. Ser. TP 890 T337

Content: This guide contains information on dyes, pigments, resin-bonded pigment colours, and textile chemical specialties. Registered trademarked products are identified with codes for corresponding supplier details. An extensive listing of dyes and equivalent trade names is provided. The Trademark Index to Textile Chemical Specialties (on p.127) links trade names to producer companies, while the Directory of Chemical Specialties (on p.141) can be used in a cross-referencing manner to determine general chemical composition. The listings include, where available, U.S. Dept. of Transportation Hazard Classifications.

Sample Entries:

ANTIFOAM NS: monsilicone anti-foam for use in dye bath or finish bath. Comp: organic ester emulsion. Aerochem Corp. (p. 141)

VULCARITES: curing and antioxidant dispersions. Comp: sulfur, zinc oxide, dithiocarbamates, antioxidant, dispersions. DOT: NR (nonregulated material). Alco Chemical Corp. (p. 141)

UREA FORMALDEHYDE CONCENTRATE-85: Component of resins for crease resistance, ... shrink-proofing, mildew preventive. Comp: 60% CH_2O_2, 25% H_2NCONH, 15% H_2O. Allied Chemical Corp. (p. 142)

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5.112 TEXTILE HANDBOOK - 4th ed. - Washington, D.C.: American Home Economics Assn., 1970.

TN * GC * MAN * (OOCI)

Content: Some trademarked fabric finishes are listed in this book, but no chemical or ingredient information is provided.

Sample Entries: Finishes Used on Cotton. (p. 48,49)
Flame Retardants --
PYROVATEX Cp -- CIBA Chemical & Dye Co.
ROXELL -- Hooker Chemical Co.
C-904 -- Bendix Corp.

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5.112 Continued

Soil Release --
RHOPLEX SR-488 -- Rohm & Haas
DUAL ACTION SCOTCHGUARD -- 3M Company
WASH EASE -- J.P. Stevens & Co.

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5.113 THERMAL, ACOUSTIC, VIBRATION/INSULATION HANDBOOK - 13th ed.- Watford, Eng. : Comprint Ltd., 1981.

		Lat. Ref.
TN * GC * MAN *	(OON)*	TH 1715 I 59

Content: This book consists mainly of up-to-date technical articles and tables. It includes a 20-page Trade and Proprietary Names List. European content.

Sample Entries:

AEROLITE: urea formaldehyde foam (Ciba Geigy Plastics Division).
ALBI: fine retardant paints (Rentokil Ltd.).
ALUBIT: aluminum bituminous solution (Shell Composites Ltd.).
CEEMARCOAT: solventless epoxy coating (Structoplast Ltd.).
CELOBESTOS: non-combustible asbestos fibre insulating board. (Celotex Ltd.).
CIBCO K-13 and K-19: cellulose fibre (Cibco Insulations (UK) (Ltd.).

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5.114 THOMAS REGISTER OF AMERICAN MANUFACTURERS. - 68th ed. - Toronto: Torontrade Company. 1978.

		HF
TN * GC * MAN *	(OHM-S+E)*	3010 .T45

Content: Published in 12 volumes. Brand Names and Index in Volume 7. Products and Services in Volume 3. Company Names and Addresses and Phone Numbers in Volume 8. Catalogues of Companies in Volumes 9-12, cross-indexed to first 8 volumes.

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5.114 Continued

Volume 7: "No attempt is made to publish every trademark or brand name. Many of them are dormant. We aim to publish only those which are likely to be looked for."

Volume 3: Types of products are listed alphabetically. Each company manufacturing one particular type, such as Flexographic Inks, is listed by state with mailing address. The occasional advertisement includes trade names.

Content basic; useful only for matching product name to company, locating address of company. Lists products as diverse as pancake syrup and motor oil.

Sample Entries: From the "American Trademark Index" p. 270. NITREX. Nitrile Rubber Latices, Uniroyal Inc. Uniroyal Product Information Centre, 1230 Avenue of the Americas, New York, N.Y.

NITREX. Nitrogen solutions,
Grace, W.R. & Co. Agricultural Chemicals Group.
100 N.Main St., Memphis, Tenn.

NITREX 50 MG. Nitrofurantoin, Star Pharmaceuticals, 16499 N.E. 19 Ave., North Miami Beach, Fla.

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5.115 TOXICITY AND SAFE HANDLING OF RUBBER CHEMICALS: Birmingham, Eng.: British Rubber Manufacturers Association, 1978.

		RA/1242
TN+ING * CN * GC * SYN * MAN *	(OTOL) *	.R8
	(OHOHS)	.B862

Content: This guide contains information on general categories of products and their composition (e.g. percentage of aromatics in rubber process petroleum oils), as well as chemical structure, ingredient, and trade name information on specific compounds. Contains an "Index of Proprietary Names of Rubber Chemicals." This material was prepared as a service to members of the BRMA by a technical working group of experts drawn from rubber and chemical product manufacturers.

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5.115 Continued

Sample Entry: Antidegradants-Staining: Phenylenediamine. Chemical name: N,N'-bis (1,4-dimethyl-pentyl)-p-phenylenediamine. Standard abbreviated name: 77 PD. Proprietary names and suppliers: FLEXZONE 4L (Uniroyal); SANTOFLEX 77 (Monsanto); UOP 788 (Universal Oil Products); VULKANOX 4030 (Bayer).

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5.116 TOXIC SUBSTANCES CONTROL ACT: TRADEMARKS AND PRODUCT NAMES REPORTED IN CONJUNCTION WITH THE CHEMICAL SUBSTANCE INITIAL INVENTORY / Reporting Company Section. Washington, D.C.: Office of Toxic Substances, Environmental Protection Agency, 1979.

		US.1
TN * MAN *	(OHM-GOV) *	EP70
	(OHOHS)	T58

Content: Extensive list of trade name products by company. Some entries have as many as 120 separate products with the same trade name but different numeric codes. The Trademark and Product Names list was compiled in conjunction with the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory. Reporting for the list was voluntary; therefore, there is no guarantee that all manufacturers reported, or that all product names and trademarks have been reported.

Sample Entry (one of the shortest): A.L. Laboratories Inc. 452 Hudson Terrace, Englewood Cliffs, N.J.: ALTRACIN-MD, BACITRACIN-MD, BMD, DYMETRACIN, FORTRACIN, ZYME-ALL.

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5.117 Crowley, E., ed. TRADE NAMES DICTIONARY and COMPANY INDEX. - 2nd ed. - Detroit: Gale Research Company, 1980.

TN * GC * MAN * (OHOHS)

Content: The dictionary is a 2 volume guide to consumer-oriented trade names, addresses of manufacturers, importers, or distributors. Content basic; emphasis on consumer goods, but some industrial products listed as well.

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5.117 Continued

Each company entry in the Index is followed by partial listing of brand names. Includes more than 130,000 product and company entries. Useful mainly for matching product name to company, or locating address of company.

Sample Entry: Dow Chemical Co. AMBIFAL - Automotive additives. (From the Dictionary)
Dragon Chemical Corp. BLUE DRAGON DUST, DRAGON -- Insecticides. (From the Company Index).

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5.118 UNION CARBIDE MATERIAL SAFETY DATA SHEETS. New York: Union Carbide Corp., 1973.

T/55
TN * CN * GC * SYN * MAN * (OTOL)* .H3
.U58

Content: These are standard 2-page data sheets approved by the U.S. Department of Labor ("Essentially Similar" to Form LSB-OOS-4). Main listing is by chemical name. In all but a few cases, there is no information in the "Hazardous Ingredients" part of the form. Useful for determining the chemical structure of brand name products.

Sample Entries: FLEXOL^{R} Plasticizer Z-88. Synonyms: Di(2-Ethylhexyl) Azelate. Formula: $C_7H_{14}.COOCH_2CH(C_2H_5)C_4H_9.2$
Mol. wt: 412.66. Hazardous Ingredients: "not applicable". Special Precautions: On the basis of the toxicological, physical, and chemical properties of FLEXOL Plasticizer Z-88, precautionary labeling used on the containers is: "For Industry Use Only".

ETHANOL, SD-40, 200 Proof. Trade name and synonyms: Ethanol, SD-40, 200 Proof. Hazardous Ingredients: Ethyl alcohol 99%. Brucine sulfate (trace), n-Butyl Alcohol (0.1.)

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5.119 U.S. FOAMED PLASTICS MARKETS AND DIRECTORY. Westport, Ct.: Technomic Publishing, 1979.

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5.119 Continued

TN * GC * MAN * (OTMCL-BUS)* R338 4766 8493 Un 3

Content: Uneven but useful manufacturer listings; some provide trade name information, some do not. Similar to the Canadian Trade Index and other industry directories in this respect. Advertisements are generally more informative than listings.

Sample Entry: (partial) PLAS-CHEM COATINGS EAGLE-PICHER IND. INC.--Elastomeric coatings for protection of urethane foam. CHEM-ELAST 1502 (FDA-USDA) vinyl. CHEM-ELAST 2817 urethane hydrocarbon. CHEM-ELAST 2819R aromatic urethane. CHEM-ELAST 5501 Fire Retardant butyl rubber. CHEM-PON 2005 epoxy polymide metal primer. (p. 17)

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6. CHEMICAL NAME SOURCES

These documents provide chemical and manufacturer name connections, but not trade name identifiers. However, they may be able to provide useful details of a type particular enough to aid in discovering the trade name equivalents of specific chemical products. This may be done by using a variety of source books together.

INDEX: ALPHABETICAL by TITLE

6.1 CANADIAN CHEMICAL REGISTER. Ottawa: Supply and Services Canada, 1978. [5]

6.2 CHEM SOURCES - U.S.A. [1979 ed.] Flemington, N.J.: Directories Publishing Co., 1979. [5]

6.3 Gilles, M.T. COATINGS TECHNOLOGY ANNUAL. -1st ed. - Park Ridge, N.J.: Noyes Data Corporation, 1978. [5]

6.4 DIRECTORY OF NORTH AMERICAN CHEMICAL PRODUCERS - 1978/789 ed. - Oceanside, N.Y.: Chemical Information Services, 1978. [5]

6.5 DRY CLEANING AND DEGREASING CHEMICALS AND PROCESSES.Park Ridge, N.J. : Noyes Data Corporation, 1973. [5]

6.6 Williams, A. FLAME RETARDANT COATINGS AND BUILDING MATERIALS. Park Ridge, N.J. : Noyes Data Corporation, 1974. [5]

6.7 Rothenberg, G.G. PAINT ADDITIVES: RECENT DEVELOPMENTS. Park Ridge, N.J. : Noyes Data Corporation, 1978. [5]

6.8 Johnson, K. POLYURETHANE COATINGS. Park Ridge, N. J.: Noyes Data Corporation, 1972. [5]

6.9 Dunning, H.R. PRESSURE SENSITIVE ADHESIVES: FORMULATION AND TECHNOLOGY. - 2nd ed. - Park Ridge, N. J.: Noyes Data Corporation, 1977. [5]

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CHEMICAL NAME SOURCES: DESCRIPTIONS
(Arranged Alphabetically by Title)

6.1 CANADIAN CHEMICAL REGISTER. Ottawa: Supply and Services Canada, 1978.

CN * GC * SYN * MAN * (OHOHS)

Content: This publication was prepared by the Chemicals Branch of the Department of Industry, Trade and Commerce. It lists producers and plant locations for chemicals made in Canada. The most common chemical name for each item is boldfaced with common synonyms in brackets and cross-referenced.

Sample Entries:

Acetic Anhydride (Acetyl Oxide)
Celanese Canada Inc., Chemicals Division -- Edmonton, Alberta.

Acetone (Dimethylketone) (Beta-Ketopropane) (2-Propanone)
Caledon Laboratories Ltd. -- Georgetown, Ont.
Gulf Canada Ltd. Chemicals Dept. -- Montreal, Que.
Shell Canada Ltd. Chemical Dept. -- Montreal, Que.

Adiponitrile (1,4-Dicyanobutane)
DuPont of Canada Ltd. (Captive) -- Maitland, Ont.

1-Aza-3, 7, Dioxa-5-Hydroxymethyl, Bicyclo (3,3,3) Octane : Uniroyal Chemical, Division of Uniroyal Ltd. -- Elmira, Ont.

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6.2 CHEM SOURCES - U.S.A. [1979 ed.] Flemington, N.J.: Directories Publishing Co., 1979.

		Ref./TP
CN * GC * MAN *	(OTOL) *	202
	(OHOHS)	C 517

Content: This guide lists 80,000 organic and inorganic chemicals produced and distributed by 760 companies. Codes refer to the manufacturers; volume producers are indicated by an asterisk.

Sample Entries:

N-Acetal-N'-Phenyl-Thiourea
CDC (Chemical Dynamics Corporation) (p.1)

Acetaldehyde Hydrochloride
BKC (J.T. Baker Chemical Co.) (p.1)

Accelerators, Copoxycure
Kenrich Petrochemicals Inc. (p.609)

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6.3 Gilles, M.T. COATINGS TECHNOLOGY ANNUAL. - 1st ed. - Park Ridge, N.J.: Noyes Data Corporation, 1978.

CN * GC * ING * MAN * (OHM-S+E) * TP 156 .C57C6

Content: This book contains information based on 306 U.S. patents issued in 1977. Formulation examples are typical rather than product-specific.

Sample Entries: Solvent-Based Paints, Lacquers and Varnishes: (p.157)
Traffic Paint containing Diphenolic Acid ... U.S. Patent 4,031,048 assigned to Minnesota Mining and Manufacturing Company.
Example: a paint composition was prepared using the following ingredients: -

	Parts by Weight
A 60 wt.% solids solution in toluol of an alkyd resin comprising soy bean oil and 30 wt% phthalic anhydride (Reichhold P.819-60)	15.5
Chlorinated rubber having a chlorine content of 67% and having a viscosity of 17 to 25 cp (Parlon S-20)	2.31
Bentonite thixotropic agent	0.43
Diglycidyl ether of bisphenol A having an epoxide equivalent weight of 180 to 195	0.1
Manganese drying agent	0.08
1 10-phenanthroline drier catalyst	0.03
Antioxidant	0.05
Titanium dioxide	10.5
Calcium carbonate filler	7.56
Magnesium silicate filler	8.9
Methyl ethyl ketone	14.25
Methanol	0.16
Particulate diphenolic acid included polyamide (Emerez 1533: 30 to 100 mesh particulate)	12.

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6.4 DIRECTORY OF NORTH AMERICAN CHEMICAL PRODUCERS - 1978/789 ed. - Oceanside, N.Y.: Chemical Information Services, 1978.

CN * GC * SYN * ING * MAN * (OTOL)

Content: This publication lists about 1,100 chemical producers in Canada, the U.S.A., and Mexico, and contains over 20,000 product titles, with extensive coded cross-referencing and useful Chemical Synonym information. Manufacturers' names, addresses and phone numbers are provided.

Sample Entries:
7-ACA - see: 7-Aminocephalosporanic Acid.
ACES - see: N-(2-Acetamido)-2-aminoethanesulfonic acid.
Acetal - see: 1,1-Diethoxyethane
Acetamide - (Manufacturer Codes) CHE, DMT, EAS.
Acetaldehyde 1,1-dimethylhydrazone -- EDX.

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6.5 DRY CLEANING AND DEGREASING CHEMICALS AND PROCESSES. Park Ridge, N.J. : Noyes Date Corporation, 1973.

CN * GC * ING * MAN * (OTU-ENG) * TP 932 R 33

Content: This book contains U.S. patent information available since 1967. Although no trade names or coded identifiers are provided, the details here may be usefully matched alongside the trade name product descriptions in commercial advertisements and other trade name sources.

Sample Entries:

Isopropanol -- W. M. Gray and G. Yeats; U.S. Patent 3,340,199; Sept. 5, 1967; assigned to Imperial Chemical Industries Ltd. (ICI), England describe a cleaning composition comprising isopropanol and 1,1,2-trichloro-1,2,2-trifluoroethane. The azeotropic mixture contains 97% by weight of 1,1,2-trichloro-1,2,2-trifluoroethane and 3% by weight of isopropanol ... (p.20)

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6.6 Williams, A. FLAME RETARDANT COATINGS AND BUILDING MATERIALS. Park Ridge, N.J. : Noyes Data Corporation, 1974.

CN * GC * ING * MAN * (OTU-ENG) * TP 266.5 W.54

Content: The content of this book is based on U.S. patents since the early 1960's relating to the composition and use of flame retardant coatings and building materials. Using this detailed descriptive information together with trade name sources may be helpful in identifying the ingredients of commercial products.

Sample Entries: (partial) Carboxycellulose - Alkali Metal Hydroxide Reaction Products. ... U.S. Patent 3,734,683; May 22, 1973; assigned to Canadian International Paper Company, (Canada) describe a process for flameproofing cellulosic materials. Example 1: 5 grams of 6-carboxycellulose, having a 12% carboxyl content, was prepared by oxidizing wood pulp with nitrogen dioxide. The carboxycellulose was suspended for 4 hours in a solution containing five grams of sodium bisulfite and 15 grams of sodium sulfite dissolved in 500 ml. of water. The resulting cellulosic product was filtered ... washed with 2 litres of water and air dried. (p.139)

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6.7 Rothenberg, G.G. PAINT ADDITIVES: RECENT DEVELOPMENTS. Park Ridge, N.J. : Noyes Data Corporation, 1978.

CN * GC * ING * MAN * (OTU-ENG) * TP 936 R 6

Content: This book contains detailed patent information from 1975 to 1978, on paint additives. The foreward says many of the products are being used commercially; however, it is not possible to know from this book which products are meant, or under what trade names. It may be possible to link descriptive details from this book to specific product names found in commercial trade directories and manufacturer's data sheets.

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6.7 Continued

Sample Entry: (partial) 1,1,2,4-Tetrabromo-2-Butene ... U.S. Patent 3,953,627; April 27, 1976; assigned to Tenneco Chemicals, Inc. ... valuable as a flame retardant for wood. It is an odorless liquid that contains 86% by weight of bromine and boils at a temperature above 300°C. at 760 mm. and at 95°C 10.2 mm. Because it is nonvolatile, stable and insoluble in water, 1,1,2,4-tetrabromo-2-butene cannot be separated from treated wood by leaching, washing, or evaporation. It can be applied to wood in an undiluted state or as a solution in an organic solvent. ...A flame-retardant composition that comprises 1,1,2,4-tetrabromo-2-butene may be applied to wooden structures such as cooling towers, house frames, and roofs, ... or it may be applied to wood chips, wood flakes, or wood flour before or after it is fabricated into insulating board or other articles.

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6.8 Johnson, K. POLYURETHANE COATINGS. Park Ridge, N. J.: Noyes Data Corporation, 1972.

CN * GC * ING * MAN *	(OHM-S+E) *	Ref./TP 1180 .P8R34

Content: This book provides information on U.S. patents since 1960 relating to polyurethane coatings. Although there is detailed technical information, little obvious trade name and ingredient detail is found. In some cases, a careful reading of the text provides useful clues.

Sample Entry: Vinylidene Chloride-Acrylonitrile Copolymers. U.S. Patent 3,144,352 assigned to Ampex Corporation. ... Polyurethane resins found useful in the process are thermoplastic elastomeric polyurethanes made by reacting p,p^{1}-diphenylmethane diisocyanate, adipic acid and butanediol-1,4 ... typical resins suitable for the purpose ... are ESTANE types X-1, X-2, and X-7. (B.F. Goodrich Chemical Co.) (p.291)

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6.9 Dunning, H.R. PRESSURE SENSITIVE ADHESIVES: FORMULATION AND TECHNOLOGY. - 2nd ed. - Park Ridge, N. J.: Noyes Data Corporation, 1977.

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6.9 Continued

CN * GC *ING * MAN * (OTU-ENG) * TP 968 D85

Content: Although this book consists mainly of descriptive patent and process details, with no obvious trade name links, it is possible to find useful product indentifiers by carefully searching the text.

Sample Entry: Prepolymer Polyol Bases. Abbreviations: --(p.256)

1,10 - 1,10 - decanediol
ACN - OH - terminated butadiene: acrylonitrile copolymer having an average molecular weight of 2,400
CAB - Alcohol-soluble cellulose acetate butyrate resin having an average of 47% butyryl, 1.6% acetyl, and 4 to 5% hydroxyl
DANT - Di (2-hydroxyethyl) dimethylhydantoin
PG 200 - Tris (hydroxyprophyl) glycerine

-- * --

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PART B: CHEMICAL/TRADE NAMES MATCH

7. INTRODUCTION

The main objective in doing the Chemical/Trade Names Match was to discover and demonstrate how much can be learned about the identities and chemical ingredients of single-constituent trade name products, by using a few of the best publications from Part A.

Part B is a list of 146 chemical names matched with 438 trade names, manufacturer names, and source of information codes. It is thus a demonstration of the value of using the books described in Part A.

The chemical names used in this research task were chosen from the TLV list, Threshold Limit Values for Chemical Substances and Physical Agents in the Workroom Environment with Intended Changes for 1980, published by ACGIH (American Conference of Governmental Industrial Hygienists).

Chemical names for pesticides were excluded from the search because much detailed trade name and ingredient information is already available for pesticide products. Metals were excluded because it was felt to be extremely unlikely they would be marketed under trade names.

Part B consists of only those chemical trade name products for which we were able to establish fairly clearly that each product consists essentially of only one chemical, and for which manufacturer information could be found in the sources used. An attempt was made to avoid listing any mixtures, that is, products which contain many constituents.

Within the limitations of this type of research, every attempt has been made to ensure the accuracy of the information presented here. However, since we relied solely upon published documents, there may indeed be out-of-date information, inaccuracies, or discrepancies in the list for which we are inadvertently and unintentionally responsible. We would be grateful for any notifications about possible errors.

Trade names and descriptions listed in the second column of the Chemical/Trade Names Match represent, briefly, what the original sources say about the product.

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8. SOURCES of INFORMATION and BIBLIOGRAPHY INDEX NUMBERS

The following letter codes appear in the Source of Information column on each page of the Chemical/Trade Names Match. The publications are listed here in descending order of their usefulness for the matching job.

CW/BG	--	Chemical Week Buyers' Guide 1981 (5.19)
RTECS	--	Registry of Toxic Effects of Chemical Substances (5.102)
CCD	--	Condensed Chemical Dictionary (5.29)
HCSTN	--	Handbook of Chemical Synonyms and Trade Names (5.53)
CT/CP	--	Clinical Toxicology of Commercial Products (5.23)
CTI	--	Canadian Trade Index 1981 (5.12)
Doc TLVs	--	Documentation of Threshold Limit Values 1980 (5.37)

The publications used to produce the Chemical/Trade Names Match were a handful of the most useful sources from the bibliography, with the exception of one particularly informative set of Material Safety Data Sheets. We did not use the MSDSs because they are not generally available in public-access libraries. At least three, sometimes four or five, sources were routinely checked for each chemical.

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PART B: CHEMICAL/TRADE NAMES MATCH

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10. CHEMICAL NAMES MATCHED with TRADE NAMES, MANUFACTURER, and SOURCE of INFORMATION

CHEMICAL NAMES	TRADE NAME AND DESCRIPTION	MANUFACTURER	SOURCE OF INFORMATION
Acetone.....	CHEVRON EXAMPLE ACETONE	Chevron Chemical	(p.712 CW/BG)
Acrolein.....	SLIMICIDE slime control agent	Betz Labs	(RTECS AS1050000) (p.735 CW/BG) (p.H-107 CTI)
Acrylonitrile.....	ACRYLON sizing agent	Arakawa Chemical	(RTECS AT5250000) (p.706 CW/BG)
Aluminum Alkyls.....	ALKYLTAINER	Ethyl Chemicals Group	(p.196 CW/BG)
Ammonia.....	AGRICO ammonia	Agrico Chemical	(p.358 CW/BG)
"	SNO BOY	Whittaker, Merrimack	(p.735 CW/BG)
"	VISTRON ammonia	Vistron Chemicals Div	(p.358 CW/BG)
Ammonium Chloride...	ALIQUAT ammonium chlorides	Henkel	(p.707 CW/BG)
"	ARQUAD quarternary ammonium chlorides	Armak Industrial	(p.354 CW/BG ad)
"	CAL-A-SAL ammonium chloride cakes	George Callaghan	(p.710 CW/BG)
Asbestos.....	CALIDRIA asbestos	Union Carbide Coating Mat Div	(p.711 CW/BG)
"	LAKE asbestos fibers	Lac d'Amiante du Québec Ltée-subsid of Asarco	(p.723 CW/BG)

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*	PLASTIBEST asbestos fiber	Johns-Manville	(p.731 CW/BG)
Benzoyl Peroxide....	BZO-50	Witco Chemical U S Peroxygen Div	(p.710 CW/BG)
*	LUCIDOL	Pennwalt Lucidol Div	(RTECS DM8575000) (p.724 CW/BG)
*	WHITEX	Nippon Soda	(p.741 CW/BG)
Borates.....	POLYBOR sodium octaborate	U S Borax & Chem	(p.731 CW/BG)
*	V-BOR borax pentahydrate	Kerr-McGee Chemical	(p.740 CW/BG)
Borates, Pentahydrate.....	TRONABOR agricultural pentahydrate borax	*	(p.225 CW/BG)
*	V-BOR refined pentahydrate borax 99.8%	Kerr-McGee Chem	(p.225 CW/BG)
2-Butoxyethanol.....	BUTYL CELLOSOLVE industrial solvents	Union Carbide	(RTECS KJ8575000) (p.711 CW/BG)
*	DOWANOL EB ethylene glycol n-butyl ether	Dow Chemical	(p.129 CW/BG)
*	POLY-SOLV EB glycol ether solvent	Olin Chemical	(p.704 CCD)
tert-Butyl Acetate..	TEXACO LEAD APPRECIATOR	Texaco	(RTECS AF7400000)

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CHEMICAL NAMES	TRADE NAME AND DESCRIPTION	MANUFACTURER	SOURCE OF INFORMATION
Calcium Carbonate...	ALBACAR precipitated	Pfizer Minerals Pigments & Metals	(p.707 CW/BG)
"	ALBAGLOS precipitated	"	(p.707 CW/BG)
"	Q- WHITE	J M Huber	(p.732 CW/BG)
"	MILLICAL PLUS precipitated	Pfizer Minerals Pigments & Metals	(p.725 CW/BG)
"	MULTIFLEX SC precipitated and surface treated	"	(p.727 CW/BG)
"	MARBLE WHITE ground surface treated	"	(p.725 CW/BG)
"	HI-PFLEX ground surface treated	"	(p.721 CW/BG)
"	PFINYL ground surface treated	Pfizer Minerals Pigments & Metals	(p.730 CW/BG)
"	MULTIFLEX MM precipitated	"	(p.727 CW/BG)
"	CARBITAL	Anglo American Clays	(p.711 CW/BG)
"	ELECTRO surface treated	J M Huber CC Div	(p.711 CW/BG)
"	G-WHITE	"	(p.719 CW/BG)
"	MICRO FILL	"	(p.725 CW/BG)
"	H-WHITE	"	(p.720 CW/BG)
"	GAMA-SPERSE CS 11 & CR 12 natural ground	Georgia Marble	(p.719 CW/BG)

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CHEMICAL NAMES	TRADE NAME AND DESCRIPTION	MANUFACTURER	SOURCE OF INFORMATION
Calcium Carbonate... (continued)	GAMACO 11 natural ground	Georgia Marble	(p.719 CW/BG)
"	HYDROCARB 30,30T 65,65T and 95T high purity fine surface treated	Omya	(p.721 CW/BG)
"	OMYACARB (F,UF) fine wet ground	"	(p.729 CW/BG)
"	OMYACARB (4,8) ground filler pigment	"	(p.729 CW/BG)
"	OMYALENE ultrafine ground	"	(p.729 CW/BG)
"	SUPER-PFLEX precipitated & surface treated	Pfizer Minerals	(p.737 CW/BG
"	T-CARB	Thompson Hayward Chem	(p.738 CW/BG
"	WINGDALE WHITE natural ground	Georgia Marble	(p.741 CW/BG)
"	ULTRA-PFLEX precipitated & surface treated	Pfizer Minerals	(p.740 CW/BG)
Calcium Cyanamide...	AERO CYANAMID GRANULAR	American Cyanamid	(RTECS GS6000000) (p.706 CW/BG)
"	AERO CYANAMID SPECIAL GRADE	"	(p.706 CW/BG)
Calcium Hydroxide...	LIME-COTE type S finished hydrated lime	Rockwell Lime	(p.724 CW/BG)

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"	LONGVIEW hydrated lime	S I Lime	(p.724 CW/BG)
"	MORTA-LOK type S masons hydrated lime	"	(p.726 CW/BG)
"	PELICAN hydrated lime	"	(p.724 CW/BG)
Calcium Oxide.....	DYNACAL fused calcium oxide	Kay-Fries Member Dynamit Nobel Group	(p.716 CW/BG)
"	LONGVIEW quick lime	S I Lime	(p.724 CW/BG)
"	PELICAN quick lime	"	(p.729 CW/BG)
"	TIGER BRAND lime	Pfizer Minerals	(p.739 CW/BG)
Camphor..... (Synthetic)	TOWER BRAND camphor	Glyco Chemicals	"
Carbon Black.....	UNITED	Ashland Chemical Carbon Black Div	(RTECS FF5250000) (p.62 CW/BG)
"	RAVEN	Columbian Chem	(p.733 CW/BG)
"	REGAL oil-furnace type	Cabot Corp	"
"	THERMAX thermal grade	International Minerals & Chem	(p.222 CW/BG) (p.738 CW/BG)
	THERMAX	R T Vanderbilt	(p.738 CW/BG)
"	THERMBLACK thermal grade	"	"
"	MONARCH fluffy	Cabot Carbon Black Div	(p.726 CW/BG)

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CHEMICAL NAMES	TRADE NAME AND DESCRIPTION	MANUFACTURER	SOURCE OF INFORMATION
"	BLACK PEARLS pelleted	"	(p.710 CW/BG)
"	ELFTEX oil furnace	"	(p.717 CW/BG)
"	MOGUL fluffy	"	(p.726 CW/BG)
"	CONDUCTEX	Columbian Chem	(p.713 CW/BG)
"	FURNEX	"	(p.719 CW/BG)
"	NEOTEX	"	(p.727 CW/BG)
"	FLOFORM pelletized	R T Vanderbilt	(p.718 CW/BG)
"	KETJENBLACK conductive	Noury Chemical Part of Armak	(p.723 CW/BG)
"	M-100 black for steel and zinc	Lea Mfg	(p.725 CW/BG)
"	STATEX	Columbian Chem	(p.736 CW/BG
"	STERLING oil furnace	Cabot Corp	"
"	SUCHAR granular & powdered active carbon	Westvaco Corp	"
"	SUPERJET lampblack	Pfizer Minerals	(p.737 CW/BG)
Carbon Black..... (continued)	VENTSORB granular activated carbon air purification	Calgon	(p.741 CW/BG)
"	WITCARB activated carbon	Witco Chemical	(p.742 CW/BG)

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CHEMICAL NAMES	TRADE NAME AND DESCRIPTION	MANUFACTURER	SOURCE OF INFORMATION
Carbon Dioxide.....	CARDOX	Chemetron Cardox Div	(p.711 CW/BG
"	LIQUIFLOW	Liquid Carbonic Sub of Houston Natural Gas	(p.724 CW/BG
"	THERMICE	Publicker Chemical	(p.738 CW/BG)
Carbon Tetrachloride.....	HALON 104	Allied Chemical	RTECS FG4900000) (p.428 CCD) (p.344 HCSTN)
Catechol.....	DEVELOPER C base for fur dyeing	Imperial Chemical	
"	DURAFUR	"	(p.256 HCSTN)
Cellulose..... (Paper Fiber)	FULFLO MEDIA cellulose pleated paper	Carborundum Filters Div	(p.719 CW/BG)
"	SOLKA-FLOC finely divided, powdered	Brown	(p.735 CW/BG)
"	SELECTACEL cellulose derivatives for chromatography	"	(p.734 CW/BG)
"	KLUCEL hydroxypropyl cellulose	Hercules	(p.723 CW/BG)
"	KODACEL cellulosic film and sheet	Eastman Chemical Prod Mktg Aff	(p.723 CW/BG)
"	AVICEL microcrystalline purified	FMC Corp Avicel Dept	(p.82 CCD)
"	PRE-CO-FLOC cellulose flock	Georgia-Pacific	

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CHEMICAL NAMES	TRADE NAME AND DESCRIPTION	MANUFACTURER	SOURCE OF INFORMATION
Chlorine Dioxide....	ANTHIUM DIOXIDE stabilized chlorine dioxide	International Dioxide	(p.708 CW/BG)
"	CARNEBON 200 stabilized chlorine dioxide	"	(p.711 CW/BG)
2-Chloro-1,3-butadiene.....	ALGOFRENE TYPE 6 fluorochloro-derivates organic	Montedison	(RTECS PA6390000) (p.707 CW/BG)
Chlorodi-fluoromethane.....	ARCTON 4	ICI Americas	(p.708 CW/BG)
"	FREON	DuPont	(p.398 CCD)
"	GENETRON 22	Allied Chemical	(p.720 CW/BG)
"	ISOTRON 22	Pennwalt	(p.722 CW/BG)
"	UCON 22	Union Carbide	(p.740 CW/BG)
Chlorodiphenyl.....	AROCLOR 1242 42% chlorine	Monsanto Indust Chemicals	(RTECS TQ1356000) (p.74 CCD)
"	AROCLOR 1254 54% chlorine	"	(RTECS TQ1360000) (p.74 CCD)
Chloroethylene.....	TROVIDUR HT a chlorinated PVC	Dynamit Nobel AG	(RTECS KU9625000) (p710 HCSTN)
Cresol..... (All Isomers)	CRESOL 120 99.0% purity o-cresol	Conoco Chemicals	(p.95 CW/BG)
Cyanides.....	AERO for recovery of gold & silver	American Cyanamid Industrial Chemicals Division	(p.706 CW/BG)
"	CYANOBRIK sodium cyanide	DuPont Chemicals, Dyes & Pigments	(p.714 CW/BG)
"	CYANOGRAN sodium cyanide	"	"

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Cyclohexanol.....	HEXALIN	DuPont	(p.439 CCD)
"	NAXOL	Allied Chemical	(p.727 CW/BG)
Cyclohexanone.....	HYTROL 0	DuPont	(p.461 CCD)
"	NADONE liquid form	Allied Chemical	(p.727 CW/BG)
Cyclonite.....	HEXOGEN paint driers	Carlisle Chemical	(p.441 CCD)
"	HEXOGEN octoate driers	Interstab Chemical	(p.721 CW/BG)
"	RDX crystalline explosive	International Minerals & Chem	(RTECS XY9450000) (p.219 CW/BG)
Dibutyl Phthalate...	CELLUFLEX DPB	Stauffer Chemical	(RTECS TI10875000) (p.174 CCD)
"	PALATINOL C plasticizers	BASF Canada	(p.H-84 CTI)
"	STAFLEX DBP antioxidants vinyl plasticisers	Reichold Chemical	(p.736 CW/BG)
Dichlorodifluoro-methane.....	ALGOFRENE TYPE 2 fluorochloro-derivates, organic	Montedison S P A	(p.707 CW/BG)
"	ARCTON 6	ICI Americas	(p.708 CW/BG)
"	FREON 12 (F-12) refrigeration product	DuPont	(p.398 CCD)
"	GENETRON	Allied Chemical	(RTECS PA8200000) (p.720 CW/BG)
"	HALON	Allied Chemical	(p.428 CCD)

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"	ISOTRON 12 refrigerants	Pennwalt	(p.722 CW/BG)
"	UCON 12 propellants and refrigerants etc	Union Carbide & Ision	(p.740 CW/BG)
1,3-Dichloro-5,5 dimethyl hydantoin..	HALANE	BASF Wyandotte	(RTECS MV0700000) (p.720 CW/BG)
"	HYDANTOIN	"	"
Dichloroethyl Ether.....	CHLOREX	Union Carbide	(RTECS KN0875000) (p.191 CCD)
Dichlorofluoro-methane.....	ALGOFRENE TYPE 5 fluorochloro-derivates, organic	Montedison SPA	(RTECS PA8400000) (p.707 CW/BG)
"	ARCTON 7	ICI Americas	(p.708 CW/BG)
"	FREON 21	DuPont	(p.398 CCD)
Dichlorofluoro-methane.....	GENETRON 21 fluorinated hydrocarbon refrigerants	Allied Chemical	(p.720 CW/BG)
Dichlorotetra-fluoroethane.....	FREON 114	DuPont	(p.398 HCSTN)
"	GENETRON 114	Allied Chemical	(RTECS KI1100000) (p.720 CW/BG)
Diethylene Triamine.....	D.E.H. 20 curing hardener	Dow Chemical	(p.258 CCD) (p.160 CW/BG)
Diethyl Phthalate...	NEANTINE	Givaudan	(RTECS TI1050000) (p.602 CCD)

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"	PALATINOL A	Badische Anilin und Soda-Fabrik	(p.533 HCSTN)
Difluorodibromo-methane.....	FREON 12B2	DuPont	(RTECS PA7525000) (p.398 CCD)
"	HALON 1202	Allied Chemical	(p.428 CCD)
Dihydroxybenzene (Hydroquinone).....	TECQUINOL hydroquinone	Eastman Chemical	(RTECS MX3500000) (p.738 CW/BG)
"	TENOX HQ	"	(p.841 CCD)
Dimethylphthalate...	AVOLIN perfume grade	Fritzsche Dodge & Olcutt	(RTECS TI1575000) (p.82 CCD)
Dinitrobenzene.....	DITHANE A-4 plant fungicide	Rohm & Haas	(RTECS CZ7525000) (p.715 CW/BG)
Diphenylamine.....	NO SCALD DPA 83%, for control of storage scald on apples	Chemley Products	(RTECS JJ7800000) (p.V-478 CTCP)
Dipropylene Glycol Methyl Ether.....	DOWANOL DPM glycol ethers and derivatives	Dow Chemical	(RTECS JM1575000) (p.129 CW/BG)
"	UCAR SOLVENT 2LM synthetic organic chemicals	Union Carbide	(p.900 CCD) (p.740 CW/BG)
Di-sec, Octyl Phthalate.....	FLEXOL (PLASTICIZER DOP)	Union Carbide	(RTECS TI0350000) (p.718 CW/BG)
"	HERCOFLEX 260 plasticizer	Hercules	(p.435 CCD) (p.720 CW/BG)
"	KODAFLEX DOP plasticizer	Eastman Chemical	(p.493 CCD) (p.723 CW/BG)

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•	STAFLEX DOP vinyl plasticizer	Reichold Chemical	(p.736 CW/BG) (p.811 CCD)
•	WITICIZER 312 plasticizer	Witco Chemical	(p.927 CCD)
2,6 Ditert. Butyl p-Cresol.....	DALPAC antioxidant	Hercules	(RTECS GO7875000) (p.253 CCD)
•	DEENAX oxidation inhibitor	Enjay Chemical	(p.257 CCD)
•	IMPRUVOL solution in transformer oil	Koppers	(p.464 CCD)
•	IONOL	Shell Chemical	(p.471 CCD) p.722 CW/BG)
•	PARANOX 441 additive for lubricating oil	Enjay Chemical (Exxon)	(p.650 CCD) (p.729 CW/BG)
•	SUSTANE BHT antioxidant	Universal Oil	(p.831 CCD)
•	TENAMENE 3 additive for gasoline	Eastman Chemical	(p.841 CCD)
•	TENOX BHT food grade antioxidant	Eastman Chemical	(p.841 CCD)
2-Ethoxyethanol.....	CELLOSOLVE SOLVENT	Union Carbide	(RTECS KK8050000) (p.174 CCD) (p.171 Doc TLVs)
•	DOWANOL EE	Dow Chemical	(p.326 CCD)
•	ETHYL CELLOSOLVE	Union Carbide	(p.174 CCD) (p.171 Doc TLVs)

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"	POLY-SOLV EE	Olin Chemical	(p.704 CCD)
2-Ethoxyethyl Acetate.....	CELLOSOLVE ACETATE	Union Carbide	(p.174 CCD) (p.171 Doc TLVs)
"	POLY-SOLV EE ACETATE	Olin	(p.704 CCD)
Ethyl Alcohol..... (Ethanol)	NEOSOL linear primary alcohol	Shell Chemical	(RTECS KQ6300000) (p.244 & 727 CW/BG
"	FILMCOL special industrial solvents	"	(p.244 & 718 CW/BG
"	SHELLSOLVE manufacturing solvents	"	(p.244 & 735 CW/BG
"	PUNCTILIOUS industrial denatured and pure alcohol	US Industrial	(p.732 CW/BG)
"	FILMEX industrial solvents	"	(p.718 CW/BG)
	JAYSOL S ethyl alcohol composition	Enjay Chemical	(p.487 CCD)
"	TECSOL 95% ethyl alcohol	Eastman Chemical	(p.840 CCD)
"	PHARMCO	Publicker Chemical	(p.730 CW/BG)
Ethyl Bromide.....	HALON 2001	Allied Chemical	(RTECS KH6475000) (p.428 CCD)
Ethylene Dibromide..	BROMOFUME soil fumigant	American Potash & Chemical	(RTECS KH9275000) (p.126 CCD)

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"	DOWFUME 40, EDB, W-8, and W-85 fumigants & pesticides	Dow Chemical	(p.327 CCD)
		Dow Chemical	(p.327 CCD)
"	FUMO-GAS ethylene dichloride carbon tetra-chloride & ethylene dibromide	American Fumigant	(p.288 CT/CP)
	PESTMASTER soil fumigants	Velsicol Chem	(p.730 CW/BG)
"	SOILBROM 40, 85 and 90EC nematocide	Great Lakes Chemical	(p.735 CW/BG)
"	SOILFUME soil fumigant	FMC	(p.804 CCD)
Ethylene Glycol Methyl Ether Acetate.....	METHYL CELLOSOLVE ACETATE industrial solvent	Union Carbide	(RTECS KL5950000) (p.711 CW/BG) (p.174 CCD)
Ethylene Glycol.....	UCON foodfreeze 35; ethylene glycol based food grade heat transfer liquid	Union Carbide	(p.740 CW/BG)
Formaldehyde.....	FORMCEL 55% formaldehyde in methanol	Celanese Chem	(p.81-83 CW/BG)
"	FORMCEL 40% in n-butyl alcohol	"	"
Furfural.....	QO	Quaker Oats Chemicals Div	(p.235 CW/BG)

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Furfuryl Alcohol....	QO(FA)	"	(p.235 & p.718 CW/BG) (p.373 CCD)
Glass..... (Fibrous or Dust)	GLASSIL glass sand	Unimin	(RTECS VV7330000) (p.720 CW/BG)
"	MIN-U-SIL high purity crystalline silica	Pennsylvania Glass Sand	(p.583 CCD) (p.726 CW/BG)
"	LINZCOUSTIC fiber glass duct liner	Johns-Manville	(p.724 CW/BG)
"	MICRO-LOK 650 fiber glass pipe insulation	"	(p.725 CW/BG)
"	MICROLITE fiber glass insulation	Johns-Manville	(p.725 CW/BG)
"	MODIGLASS fibrous glass	Reichold Chemicals	(p.726 CW/BG)
"	SPIN-GLAS fiber glass insulation	Johns-Manville	(p. 736 CW/BG)
Glycerin (Glycerol).....	HIGH GRAVITY	Procter & Gamble	(p.721 CW/BG)
"	PRICERINE	Unichema International	(p.471 CW/BG)
"	STAR	Procter & Gamble	(p.736 CW/BG)
"	SUPEROL	Procter & Gamble	(p.737 CW/BG)
Graphite.....	GRAPHICELL porous	Union Carbide Coatings Div	(p.720 CW/BG)
"	PYROFOAM expanded	"	(p.732 CW/BG)

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"	PG pyrolytic	"	(p.730 CW/BG)
"	NATIONAL carbon & graphite products	Union Carbide Coatings Div	(p.727 CW/BG)
"	AQUADAG water dispersion	Acheson Colloids	(p.708 CW/BG) (p.70 CCD)
"	PRODAG graphite in water dispersion	"	(p.732 CW/BG)
"	CASTORDAG castor oil dispersion	"	(p.170 CCD) (p.711 CW/BG)
Graphite..... (continued)	DYLONEL coatings and cements	Dylon Industries	(p.716 CW/BG)
"	DYLONEX coatings and cements	"	"
"	DYLONITE coatings and cements	"	"
"	LOCK-EASE liquid	American Grease Stick	(p.724 CW/BG)
"	MR. ZIP powdered	"	(p.727 CW/BG)
"	LUB-A-SPRAY dry powdered	Panef Mfg	(p.724 CW/BG)
"	THORNEL high modulus fiber & yarn	Union Carbide	(p.739 CW/BG)
"	MAGNAMITE fibers	Hercules	(p.725 CW/BG)

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Gypsum.....	CALOPONE fine filler	United States Gypsum	(p.711 CW/BG)
"	TERRA ALBA fine filler	"	(p.738 CW/BG)
"	USG agric gypsum	"	(p.740 CW/BG)
Hexachlorocyclo-pentadiene.....	PCL	Velsicol Chemical	(p.729 CW/BG)
Hexachloroethane....	AVLOTHANE proprietary grade	Imperial Chemical Industries	(RTECS KI4025000) (p.77 HCSTN)
Hexachloro-napthalene.....	HALOWAX 1014 chlorinated hydrocarbon	Koppers	(p.214 Doc TLVs) (p.428 CCD)
"	AMERZINE catalyzed	Drew Chemical	(p.707 CW/BG)
"	DEOXY-SOL 35%	Fairmount Chem	(p.715 CW/BG)
"	SCAV-OX 35% solution	Olin Chemicals	(p.286 CW/BG)
"	SCAV-OX PLUS organometallic catalyzed 35% solution	"	"
Hydrazine.....	SCAV-OX 11 organic (non-metallic) catalyzed 35% solution	Olin Chemicals	(p.286 CW/BG)
Hydrogen Peroxide.....	ALBONE	DuPont	(p.707 CW/BG)

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•	PERONE 30%,35% & 50% solutions by wt	•	(p.730 CW/BG)
•	SUPEROXOL solution 30%	Merck	(p.830 CCD) (4693 MI)
Iodine.....	CRY-O-DINE disinfectant	Crystal Chemical	(p.233 CW/BG)
Isopropyl Alcohol...	AVANTINE anesthetic	She'l Chemical	(RTECS NT8050000) (p.77 HCSTN)
Iron Oxide.....	VIDEOX magnetic	Hercules	(p.741 CW/BG)
Kaolin.....	KAOCRETE castable	Babcock and Wilcox	(p.722 CW/BG)
•	SP33 filler & extender	Freeport Kaolin	(p.736 CW/BG)
•	SPARKS primary water washed	Harris Mining	•
•	SATINTONE anhydrous extender	Englehard Minerals & Chem	(p.734 CW/BG)
•	SATINGLO dull finish pigment	•	(p.734 CW/BG)
•	SUPREX	JM Huber	(p.737 CW/BG)
•	KAOGUN gunning mix	•	•
•	ALBION clay	•	(p.707 CW/BG)
•	HI primary water-washed	Harris Mining	(p.721 CW/BG)

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"	AVERY primary water-washed	"	(p.709 CW/BG)
"	LUNDAY	"	(p.724 CW/BG)
Kaolin..... (continued)	KAMEC primary water-washed	"	(p.722 CW/BG)
"	HI-WHITE clay	J M Huber	(p.721 CW/BG)
"	BARDEN clay	"	(p.709 CW/BG)
"	HIOPAQUE filler, coating & extender	Freeport Kaolin Div Freeport Minerals	(p.721 CW/BG)
"	BUCA filler	"	(p.710 CW/BG)
"	LUSTRA coating	"	(p.724 CW/BG)
"	CATALPO filler	"	(p.711 CW/BG)
"	WHITETEX filler & extender	Freeport	(p.741 CW/BG)
"	ULTRA GLOSS 90 high-glossing	Englehard Minerals	(p.740 CW/BG)
"	ULTRA WHITE 90 high brightness koalin paper pigment	"	"
"	COLUMBIA coating	"	(p.713 CW/BG)
"	PAR CLAY clay	RT Vanderbilt	(p.729 CW/BG)

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"	CONTINENTAL CLAY clay	"	(p.713 CW/BG)
"	DIXIE CLAY mineral filler clay	"	(p.715 CW/BG)
Kaolin (continued)	MCNAMEE CLAY clay	"	(p.725 CW/BG)
"	PEERLESS CLAY clay	"	(p.729 CW/BG)
"	EDGAR paper coating filling clays	Englehard Minerals & Chemicals	(p.716 CW/BG)
"	PHARMOLIN pharmaceutical grade	Englehard Minerals & Chemicals	(p.730 CW/BG)
"	ELECTROS COLLODIAL purified collodial	Charles B Chrystal	(p.717 CW/BG)
"	HYDRITE	Georgia Kaolin	(p.721 CW/BG)
"	SATINTONE anhydrous extender	Englehard Minerals & Chem	(p.734 CW/BG)
Limestone	STONELITE pulverized	Ohio Lime	(p.736 CW/BG)
"	VICAL ground	Pfizer Minerals	(p.741 CW/BG)
"	VIROC ground	"	"
"	WOODERITE ground fillers and extenders	AB Wood Chemical	(p.741 CW/BG)
"	YORK WHITE ground filler	RE Carroll	(p.741 CW/BG)

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Magnesium Oxide.....	MAGOX PG powder	Basic Chemicals	(p.725 CW/BG)
"	GRANUMAG granulated	"	(p.720 CW/BG)
"	OXYMAG	"	(p.729 CW/BG)
"	PLASTOMAG oil-dispersed bead form	Morton Chem	(p.731 CW/BG)
"	AKROMAG dispersed	Arkon Chemical	(p.707 CW/BG)
"	ELASTOMAG	Morton Chemical	(p.717 CW/BG)
"	FCOJET 6008 suspension for fuel	Montedison S P A	(p.718 CW/BG)
"	MAGLITE	Merck Chemical	(p.725 CW/BG)
"	MARINCO	"	
"	MAGNORITE fused	Norton	
"	STAN-MAG powders	Harwick Chem	(p.736 CW/BG)
Mercury..... (All Forms except Alkyl)	MERSOLITE phenyl mercuric compounds	Ventron	(p.551 CCD)
2-Methyoxyethanol...	DOWANOL EM series of glycol monoethers	Dow Chemical	(RTECS KL5775000) (p.326 CCD)
"	METHYL CELLOSOLVE mono- and dialkyl ethers	Union Carbide	(p.563 CCD)
"	PIERSOLVE highly purified	Pierce Chemical	(p.730 CW/BG)

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"	POLY-SOLVE EM series of glycol ether solvents	Olin Chemical	(p.704 CCD)
Methyl Acrylate.....	CRYLCON methacrylate bonding agent	DuPont	(p.713 CW/BG)
Methyl Alcohol (Methanol)	THE SOLUTION windshield washer solvent, contains methanol, protects to -25° F.	Street Industries	(p.738 CW/BG)
Methyl Bromide.....	HALON 1001 fumigants	Allied Chemical	(RTECS PA4900000) (p.428 CCD) (p.344 HCSTN)
Methyl Chloride.....	ARTIC refrigeration grade	DuPont	(RTECS PA6300000) (p.76 CCD)
Methyl Chloroform... (1,1,1-Trichloro-ethane)	AEROTHENE TT inhibited form	Dow Chemical	(RTECS KJ2975000) (p.712 CW/BG) (p.136 CW/BG)
"	CHLOROTHENE NU CHLOROTHENE VG CHLOROTHENE SM inhibited form solvents	"	"
"	TRI-ETHANE stabilized solvent & degreaser	PPG Industries	(p.232 CW/BG)
"	SOLVENT 111	Vulcan Materials	(RTECS KJ2975000) (p.735 CW/BG)
Methyl 2-Cyanoacrylate.....	EASTMAN 910 adhesive	Eastman Chemical	(RTECS AS7000000) (p.261 HCSTN)
"	EASTMAN 910 MONOMER	"	"

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Methylene Bisphenyl Isocyanate..... (MDI)	FASTCAST ARPRO, ESTRA & TETRA MDI two component urethane	Arnco	(p.718 CW/BG)
"	ISONATE 125M, 143L,181,191 & 226 pure MDI	Upjohn	(p.294 CW/BG)
"	RUBINATE M polymethylene polyisocyanate MDI	Rubicon	(p.734 CW/BG)
Methylene Chloride.....	AEROTHENE MM solvent & vapour pressure depressant	Dow Chemical	(RTECS PA8050000) (p.706 CW/BG)
	STAUFFER MCT	Stauffer Chem Industrial Div	(p.736 CW/BG)
4,4'-Methylene bis (2-Chloro-aniline).....	MOCA	DuPont	(RTECS CY1050000) (p.584 CCD) (P.277 Doc TLVs)
4,4'-Methylene Dianiline.....	TONOX blend of aromatic primary amines	Uniroyal Chemical	(RTECS BY5425000) (p.871 CCD)
Methyl Iodide.....	HALON 10001	Allied Chemical	(PA9450000) (p.428 CCD)
Methyl Methacrylate.....	DIAKON acrylic moulding powder	Imperial Chemical Industries	(OZ5075000) (p.233 HCSTN)
Methyl Silicate.....	TL 190	LNP	(RTECS VV9800000) (p.739 CW/BG)

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Naphthalene.....	CEDAR PLUS moth balls	Petrokem	(p.711 CW/BG)
2-Nitropropane.....	NIPAR S-20 nitropropane solvent	International Minerals & Chemical	(RTECS TZ5250000) (p.221 CW/BG)
Pentachloro-naphthalene.....	HALOWAX 1013 chlorinated hydrocarbon	Koppers	(p.322 Doc TLV's)
Pentachloro-phenol.....	GLAZD PENTA	Vulcan Materials	(RTECS SM6300000) (p.720 CW/BG)
"	PENTA WOOD PRESERVATIVE 4.35% pentachloro-phenol,95% petroleum solvents	Koppers	(p.730 CW/BG)
"	SANTOPHEN 20 preservative for paints, wood, adhesives	Monsanto Industrial Chemicals	(p.764 CCD) (p.624 HCSTN (p.323 Doc TLV's)
Pentaerythritol.....	GLYTEX aqueous suspension of solid polyols	International Minerals & Chemical	(p.220 CW/BG)
"	PENTEK technical grade	Tenneco Chemicals Heyden Division	RTECS RZ2490000) (p.658 CCD) (p.545 HCSTN)
Perchloroethylene...	DOWPER drycleaning solvent	Dow Chemical	(p.137 & 715 CW/BG
"	PERKARE activated, drycleaning grade	PPG Industries	(p.730 CW/BG)
"	PERCHLOR drycleaning and degreasing solvent	"	(p 523 CT/CP)

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"	PERCLENE & PERCLENE D	Diamond Shamrock	(p.730 CW/BG)
"	PERM-A-KLEEN	Detrex Chemical Industries	"
"	PER SEC	Vulcan Materials	"
Phenol.....	CHEVRON EXAMPLE PHENOL	Chevron Chemical	(p.712 CW/BG)
N-Phenyl-beta-Naphthylamine.....	AGERITE POWDER rubber antioxidant	BF Goodrich Chemical	(RTECS QM4550000) (p.20 CCD)
"	NEOZONE D rubber antioxidant	DuPont	(p.605 CCD)
"	NILOX PBNA	Tenneco Chemicals Newport Division	(p.610 CCD)
"	NONOX D	Imperial Chemical Industries	(p.506 HCSTN)
P-Phenylene Diamine.....	BASF URSOL D dyestuff	BASF Wyandotte	(RTECS SS8050000) (p.722 HCSTN)
"	SANTOFLEX IC rubber preservative	Monsanto	(p.734 CW/BG) (p.624 HCSTN)
Phenyl Ether-Diphenyl Mixture.... (Vapour)	DOWTHERM A heat transfer agent	Dow Chemical	(p.331 Doc TLVs) (p.327 CCD) (p.715 CW/BG)
Phthalic Anhydride..	CARDINAL	Puerto Rico Chemical	(p.167 CCD)

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Polytetrafluoroethylene (Decomposition Products).....	ALGOFLON & ALGOFLON SV polytetrafluoroethylene	Montedison USA	(RTECS KX4025000) (p.344 Doc TLVs) (p.707 CW/BG)
*	ALKATHENE RXDG33	Imperial Chemical Industries	(p.31-32 HCSTN)
*	FLUON CD1, CD023, CD042, G4, G163, G201, GP1, L169, L170, L171, L169B polytetrafluoroethylene polymers	ICI Americas	(p.719 CW/BG) (p.344 Doc TLVs)
*	HALON G80, G183, G700, TFEG180	Allied Chemical	(p.428 CCD)
*	HOSTAFLON TF, TF2026, TF2053	American Hoechst	(p.721 CW/BG)
*	MOLYKOTE 522 lubricant	Dow Corning	(p.588 CCD) (p.726 CW/BG)
*	TEFLON 5, 6, 30, 110, 6C, K, T5, T6, T30	DuPont Plastics & Resins	(p.344 Doc TLVs) (p.682 HCSTN) (p.738 CW/BG) (p.840 CCD)
*	TL 115, TL 126	LNP Corp	(p.739 CW/BG)
Propionic Acid.....	SENTRY GRAIN PRESERVER	Union Carbide	(RTECS UE5950000) (p.734 CW/BG)
Propylene Glycol Monomethyl Ether....	DOWANOL 33B	Dow Chemical	(p.326 CCD)
*	POLY-SOLV MPM solvent	Olin Chemicals	(RTECS UB7700000) (p.286 CW/BG) (p.704 CCD)

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Resorcinol.....	DURAFUR DEVELOPER G base for fur dyeing	Imperial Chemical Industries	RTECS (VG9625000) (p.256 HCSTN)
Rouge (Iron Oxide).....	CALCOTONE RED pigment paste dispersion	American Cyanamid	(RTECS NO7400000) (p.157 CCD)
Rubber Solvent (Naphtha).....	SHELL SOL B Group aliphatic naptha	Shell Chemical	(p.251-252 CW/BG) (p.772 CCD)
"	SHELL TOLU-SOL 5, 19-EC, 6-EC aliphatic naptha solvents	"	"
Silicon.....	HYPERCAL	Union Carbide	(p.721 CW/BG)
Silicon Carbide.....	CARBOLON	Exolon	(p.711 CW/BG)
"	CRYSTAR	Norton	(p.714 CW/BG)
"	CRYSTOLON	"	"
"	ELECTRO CARB	Ferro Electro Div	(p.717 CW/BG)
"	CARBORUNDUM abrasives & refractories	Harbison-Carborundum	(p.774 & 166 CCD)
"	CARBOFRAX bonded bricks 85% SiC	"	(p.774 & 162 CCD)
Silicon Tetrahydride (Silane).....	GLASSCLAD silane surface treatments	Petrarch Systems	(p.720 CW/BG)
Starch.....	ARGO BRAND CORN STARCH	Corn Products	(RTECS GM5090000) (p.73 CCD)
Stoddard Solvent....	SHELL SOL 340, 70, 72, & 140	Shell Chemical	(p.252 CW/BG)

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"	SHELL MINERAL SPIRITS 135 and 145-EC	"	"
Sulfur Hexafluoride.....	ESAFLON sulfur hexafluoride	Montedison SPA	(p.284 & 717 CW/BG
Sulfur Pentafluoride.....	TL 70	LNP	(RTECS WS4480000) (p.739 CW/BG)
Terphenyls (p-Terphenyl).....	SANTOWAX P	Monsanto Industrial Chemicals	(RTECS WZ6475000) (p.764 CCD)
1,1,2,2-Tetrachloro 1,2,-Difluoro-ethane.....	F-112	DuPont	(RTECS KI1420000) (p.315 HCSTN)
"	FREON 112 fluorocarbon refrigeration	"	(p.398 CCD) (p.315 HCSTN)
"	GENETRON 112 fluorinated hydrocarbon	Allied Chemical	(p.408 CCD)
Tetrachloronaph-thalene.....	HALOWAX chlorinated hydrocarbon	Koppers	(p.391 Doc TLVs)
Tetrahydrofuran.....	QO(THF)	Quaker Oats	(p.236 CW/BG)
Tetrasodium Pyrophosphate (TSPP).....	VICTOR (TSPP)	Stauffer Chem	(RTECS UX735000) (p.915 CCD)
4,4'-Thio-bis (6-tert-Butyl-m-Cresol).....	DISPERSE (MB-61) paint additive	Raybo Chemical	(RTECS GP3150000) (p.715 CW/BG)

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"	SANTONOX antioxidant	Monsanto Industrial Chemicals	(p.764 CCD) (p.734 CW/BG) (p.396 Doc TLVs)
"	SANTOWHITE CRYSTALS rubber antioxidant	"	(p.764 CCD)
Thioglycolic Acid	THIOVANIC ACID	Evans Chemetics	(RTECS AI5950000) (p.203 CW/BG)
Tin (Organic Compounds):	The following 8 chemical names, up to Titanium Dioxide, are organic compounds of tin.		
Stannane, Bis (Isooctyloxycarbonylmethylthio) Dioctyl	THERMOLITE (831) stabilizer for vinyl resin	M & T Chemicals	(RTECS WH6723000) (p.856 CCD) (p.738 CW/BG)
Distannoxane, Hexabutyl.....	BIOMET (TBTO) cable coating, active ingredient is mixture of tributyl tin salts	M & T Chemicals	(RTECS JN8750000) (p.109 CCD)
"	TBTO timber preservative	Albright & Wilson	(p.681 HCSTN)
Stannane, Diacetoxydibutyl.....	BA 2726	Brown Bayley	(RTECS WH6880000) (p.81 HCSTN)
2,4-Pyrimidinediamine, 5-(p-Chlorophenyl)-6-Ethyl.....	DARACLOR antimalarial compound	Burroughs Wellcome	(RTECS UV8140000) (p.223 HCSTN)

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"	DARAPRIM antimalarial drug	"	(RTECS UV8140000) (p.223 HCSTN)
"	MALOPRIM antimalarial drug	"	(RTECS UV8140000) (p.439 HCSTN)
Tin, Hydroxy-triphenyl.....	DOWCO 186	Dow Chemical	(RTECS WH8575000) (p.252 HCSTN)
"	DU-TER (W-50)	Thompson-Hayward	(p.V-234 CT/CP)
"	VANCIDE KS	RT Vanderbilt	(p.911 HCSTN) (p.V-757 CT/CP)
Stannane, Tributyl (Oleoyloxy).....	STAUFFER (N-5117)	Stauffer Industrial Chem	(RTECS WH8700000) (p.736 CW/BG)
Stannane, Tricyclo-Hexylhydroxy.....	DOWCO (213)	Dow Chemical	(RTECS WH8750000) (p.213 HCSTN)
(End of Organic Compounds of Tin)			
Titanium Dioxide....	TI-PURE	DuPont Chemicals	(p.739 CW/BG)
"	TITANOX	NL Chemicals	(p.739 CW/BG)
"	TRONOX chloride process rutile type paint slurry, paper and plastic grades	Kerr-McGee Chem	(p.226 CW/BG)
"	CALCOTONE (WHITE T) pigment paste	American Cyanamid	(RTECS XR2275000) (p.157 CCD)
"	HORSE HEAD (A-410 A-420, R-710)	Gulf Western Natural Resources	(p.721 CW/BG)
"	RUNA (RH20)	Laporte Industries	(p.615 HCSTN)

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"	UNITANE (0-110,0-220, 0R-150,0R-340, 0R-342,0R-350, 0R-540,0R-640)	American Cyanamid	(p.902 CCD) (p.740 CW/BG)
Toluene.....	LIQUIFLUOR PPO-POPOP toluene concentrate	New England Nuclear	(p.724 CW/BG)
Toluene-2,4-Diisocyanate..... (TDI)	HYLENE (T,TLC, TCPA,TRF,TM, TM-65) series of organic isocyanates	DuPont	(RTECS CZ6300000) (p.459 CCD)
"	MONDUR (TDS)	Mobay Chemical	(p.589 CCD)
"	NACCONATE (100)	Allied Chemical	(p.726 CW/BG)
"	NIAX (TD1, TD1-P)	Union Carbide	(p.607 CCD) (p.727 CW/BG)
"	TD-80	Mobay Chemical	(p.738 CW/BG)
Tributyl Phosphate..	CELLUPHOS 4	Stauffer Chemical	(RTECS TC7700000) (p.177 CCD)
Trichloroethylene...	ALK-TRI solvent, inhibited	Dow Chemical	(p.136,137 CW/BG) (p.721 CW/BG)
"	EX-TRI inhibited	"	"
"	HI-TRI solvent, inhibited	"	"
"	NEU-TRI inhibited	"	"

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"	NIALK	Hooker Chemical	(p.607 CW/BG)
"	PERM-A-CLOR	Detrex Chemical Industries	(RTECS KX4550000) (p.730 CW/BG)
"	TRICLENE & TRICLENE D	Diamond Shamrock	(p.739 CW/BG)
"	TRI-CLENE five grades	DuPont	(p.880 CCD)
"	TRILENE general anesthetic	Imperial Chemical Industries	(p.707 HCSTN)
"	TRILUXE dry cleaning solvent	Canadian Industries	(p.886 CCD)
Trichloro-fluoromethane.....	ALGOFRENE TYPE 1	Montedison SPA	(RTECS FB6125000) (p.707 CW/BG)
"	ARCTON 9	ICI Americas	(p.708 CW/BG) (p.64 HCSTN)
"	F11 (FREON 11)	DuPont	(p.288 HCSTN)
"	GENETRON 11	Allied Chemical	(p.720 CW/BG) (p.409 CCD)
"	ISOTRON 11	Pennwalt	(p.722 CW/BG) (p.486 CCD)
"	UCON FLUORO-CARBON 11	Union Carbide	(p.900 CCD) (p.740 CW/BG)
"	UCON REFRIGERANT 11	"	"
1,1,2-Trichloro-1,2,2-trifluoro-ethane.....	ARKLONE P	ICI Americas	(p.708 CW/BG)
"	FREON 113	DuPont	(RTECS KJ400000) (p.398 CCD) (p.315 HCSTN)

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*	UCON 113	Union Carbide	(p.740 CW/BG)
*	UCON FLUORO-CARBON 113	*	*
Trifluorobromo-methane.....	FREON 13B1	DuPont	(p.398 CCD) (p.315 HCSTN)
*	HALON 1301	Allied Chemical	(RTECS PA5425000) (p.428 CCD) (p.344 HCSTN)
Triphenyl Phosphate.....	CELLUFLEX TPP	Stauffer Chemical	(RTECS TC8400000) (p.175 CCD)
Vinyl Acetate.....	RESYN	National Starch & Chemical	(p.733 CW/BG)
*	VAM organic monomer	USI Chemicals	(p.298 & 740 CW/BG
*	VAM vinyl acetate monomer	US Industrial Chemicals	(p.740 CW/BG)
Vinyl Cyclohexene Dioxide.....	UNOX EPOXIDE 206	Union Carbide	(RTECS RN8640000) (p.903 CCD)
VM&P Naphtha (Varnish Makers & Printers Naphtha)...	SHELL & SHELL SUPER VM&P NAPHTHA EC	Shell Chemical	(p.252 CW/BG)
*	VARSOL	Exxon	(RTECS SE7555000) (p.912 CCD) (p.725 HCSTN) (p.741 CW/BG)
Xylene.....	TENNECO 500-100 xylene range aromatic solvent	Tenneco Oil	(p.738 CW/BG)

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Zinc Oxide.....	KADOX (25)	Gulf Western Natural Resources	(RTECS ZH4810000) (p.722 CW/BG)
"	ACTOX	"	(p.706 CW/BG)
"	FLORENCE	"	(p.718 CW/BG)
"	PHOTOX	"	(p.730 CW/BG)
"	PROTOX	"	(p.732 CW/BG)
"	CANFELZO pigment	Pigment & Chemical	(p.711 CW/BG)
"	CANFELZO PHOTOZINC electrophoto-graphic	"	(p.711 CW/BG)
"	FELZODOX pigment	Pigment & Chemical	(p.718 CW/BG)
"	OZIDE	Sherwin-Williams Chemicals	(RTECS ZH4810000) (p.702 CW/BG)
"	LDL dust, powder	LDL Technology	(p.723 CW/BG)
"	MERRILLITE dust	Pacific Smelting	(p.725 CW/BG)
"	PROTOX (TYPE 166,167, 168,169,267,268) lead-free	New Jersey Zinc	(RTECS ZH4810000) (p.730 CCD)
"	XX zinc oxides	Gulf Western Natural Resources	(p.741 CW/BG)
Zinc Stearate.....	COAD 20	Norac, Mathe Division	(RTECS ZH5200000) (p.712 CW/BG)
"	METASAP (576) heavy-metal soap	Diamond Shamrock Chemical	(p.553 CCD)
"	SYNPRO STEARATE	Synthetic Products Division Dart Industries	(p.737 CW/BG)

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